Release Version v4.3 (2015/07/15)

Modules:

Device Pack v 4.3

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 2.1.0 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

*** For Mainconsole H.265, please upgrade to Mainconsole v5.3.0 and above first.

New Camera Supported:

Axis	Q3505, P5624-E, P5624, P5635-E, P5635, Q6000-E, P3365, P3365-V, P3365-VE, P3905, P3905-R, P3905-RE, P3915, P3915-R
CNB	CNB-MVC2050VR
CHAMP	DM3102, BL5302, DM5302, BL7302, DM7302, BL5103, DM5103, FE5403,
Fine	TCP-IRH5080W-70, TCP-IRH5080W-50, CDV-DT95IR, CDB-4KM552, CDV-4KM502, TCP-KZ462
IPCam	NBL5103, NDM5103, NFE5403
Spark	SR-C-F21100, SR-C-F25100-V, SR-C-F24110-FV, SR-C-F26110, SR-C-F22100-V, SR-C-F23120-V
Vivotek	IP816A, IP8155, IP8165, IP8355, IP8365, FD8155, FD8165, FD8355, FD8365, D8381, IB8381, IB8338, FD8138, FD8338
ZAVIO	B6320, P4420, D6320, N38220, N78220, N24420

FW upgrade:

Fine	CDV-P360-5, CDB-5VM551, CDV-5VM501, TCP-MH859
Dlink	DCS-7010L, DCS-7513, DCS-7517, DCS-6517
LG	LNP3020

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ZAVIO   F3107

Multiple Stream (Without Setting) Supported:

Multiple Stream Setting Supported:

Axis	Q3505, P5624-E, P5624, P5635-E, P5635, Q6000-E, P3365, P3365-V, P3365-VE, P3905, P3905-R, P3905-RE, P3915, P3915-R
CNB	CNB-MVC2050VR
CHAMP	DM3102, BL5302, DM5302, BL7302, DM7302, BL5103, DM5103, FE5404,
Dlink	DCS-7010L, DCS-7513, DCS-7517, DCS-6517
Fine	TCP-IRH5080W-70, TCP-IRH5080W-50, CDB-5VM551, CDV-5VM501, TCP-MH859 CDB-4KM552, CDV-4KM502, TCP-KZ462, CDV-DT95IR
IPCam	NBL5103, NDM5103
Spark	SR-C-F21100, SR-C-F25100-V, SR-C-F24110-FV, SR-C-F26110, SR-C-F22100-V, SR-C-F23120-V
Vivotek	IP816A, IP8155, IP8165, IP8355, IP8365, FD8155, FD8165, FD8355, FD8365, FD8381, IB8381, IB8338, FD8138, FD8338
ZAVIO	F3107

Notice:

1. Axis
   a. Q3505
      i. Bitrate list range error. (Camera firmware issue)
      ii. PTZ only support zoom & focus.
      iii. FPS cannot reach to 30 fps due to multi-connection of camera. (Camera Performance Issue)
   b. Q6000-E
      i. The range of 5th's frame rate is wrong. (Camera firmware issue)
2. CNB
   a. MVC2050VR
      i. Motion cannot be used when the camera connected over 1 min. (Camera firmware issue)
      ii. Camera search failed if UPnP enable on camera web. (NUUO server limitation)
      iii. The audio function cannot be used. (Camera firmware issue)
      iv. Only support FPS up to 10 when the resolution is 1280x720. (Camera firmware issue)
      v. The bitrate list is different from camera web. (Camera firmware issue)
3. Dlink

    a. DCS-7010L

        i. The camera with highest resolution is unable to achieve the setting framerate in H.264 and MPEG4. (Camera performance limitation)

        ii. When the format changes to MPEG4 before format is H.264 or MJPEG with the 176x144 resolution, the display will be mosaiced. (camera firmware issue)

    b. DCS-7513

        i. The camera with highest bitrate and resolution are unable to achieve the setting framerate. (Camera performance issue)

        ii. When the format changes to MPEG4 before format is H.264 or MJPEG with the 176x144 resolution, the display will be mosaiced. (Camera firmware issue)

        iii. The live view is not clear when the resolution changes to 320x176 or 480x270 in MPEG4. (Camera firmware issue)

    c. DCS-7517

        i. Audio out function could not work. (Camera firmware issue)

        ii. Audio in functioned only support G.711 codec. (Camera firmware issue)

        iii. OSD of live view is showed 960x536 when camera web is setting 960x540 resolution in MJPEG. (Camera fireware issue)

        iv. Zoom and foucs functions are not support. (Camera fireware issue)

        v. DI is triggered and DO status will be opposite. (Camera fireware issue)

        vi. Motion detection(MD) function is invalid when MD has activated for a long time. (Camera fireware issue)

4. Fine

    a. TCP-KM465

        i. H.265 was not supported. (NUUO server limitation)

5. LG

    a. LNP3020

        i. The 2nd stream's frame rate will exceed the setting value (Camera limitation).

6. Spark

    a. SR-C-F21100

        i. Camera Search and Auto Detect was not supported. (Camera firmware issue)

        ii. Bitrate Range in camera web was not sync with NUUO server. (Camera firmware issue)

        iii. G711A 16K was not supported. (NUUO server limitation)

        iv. Because of bitrate range was not sync between server and camera web, camera setting probably fail. (Camera firmware issue)

    b. SR-C-F26110

        i. Camera Search and Auto Detect was not supported. (Camera firmware issue)

      ii.   Bitrate Range in camera web was not sync with NUUO server. (Camera firmware issue)

      iii.   G711A 16K was not supported. (NUUO server limitation)

      iv.   Because of bitrate range was not sync between server and camera web, camera setting probably fail. (Camera firmware issue)

    c. SR-C-F25100-V

      i.   Camera Search and Auto Detect was not supported. (Camera firmware issue)

      ii.   Bitrate Range in camera web was not sync with NUUO server. (Camera firmware issue)

      iii.   G711A 16K was not supported. (NUUO server limitation)

      iv.   Because of bitrate range was not sync between server and camera web, camera setting probably fail. (Camera firmware issue)

    d. SR-C-F23120-V

      i.   Camera Search and Auto Detect was not supported. (Camera firmware issue)

      ii.   Bitrate Range in camera web was not sync with NUUO server. (Camera firmware issue)

      iii.   G711A 16K was not supported. (NUUO server limitation)

      iv.   Because of bitrate range was not sync between server and camera web, camera setting probably fail. (Camera firmware issue)

    e. SR-C-F22100-V

      i.   Camera Search and Auto Detect was not supported. (Camera firmware issue)

      ii.   Bitrate Range in camera web was not sync with NUUO server. (Camera firmware issue)

      iii.   Because of bitrate range was not sync between server and camera web, camera setting probably fail. (Camera firmware issue)

    f. SR-C-F24110-FV

      i.   Camera Search and Auto Detect was not supported. (Camera firmware issue)

      ii.   Bitrate Range in camera web was not sync with NUUO server. (Camera firmware issue)

      iii.   In G.711 sound will distort. (Camera firmware issue)

      iv.   Zoom can't use successfully. (Camera performance limitation)

7. Vivotek

    a. IB8338-H

      i.   Audio has noise. (Camera firmware issue)

      ii.   Snapshot's resolution is same as stream 3. (Camera limitation)

    b. IP816A-HP

      i.   Audio has noise. (Camera firmware issue)

       ii.   Snapshot's resolution is same as stream 3. (Camera limitation)

      iii.   Camera is unable to achieve high FPS. (Camera performance limitation)

    c. FD8381-EV

       i.   When resolution large than 2048x2048, we don't support audio. (Camera firmware issue)

      ii.   Audio has noise. (Camera firmware issue)

      iii.   Snapshot's resolution is same as stream 3. (Camera limitation)

      iv.   Camera is unable to achieve high FPS.(Camera performance limitation)

8. Zavio

    a. F3107

       i.   Audio via AMR has noises. (Camera firmware issue)

Bug Fixed:

[MainConsole]

1. [Dynacolor] - Fix a memory leak issue (buffer overflow) when we obtained an incomplete response of CGI from camera.
2. [Hikvision] - Fix fisheye camera crash when use camera setting.
3. [Hikvision] - Fix hikvision generic model connection fail issue.

[Solo][Mini2][Titan][Crystal]

1. [DynaColor] - Fix server crash caused by DynaColor camera dual stream disconnection fail.
2. [Level One] - Fix levelone camera connect fail issue in champ.

Release Version v4.2 (2015/06/15)

Modules:

   Device Pack   v 4.2

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 2.1.0 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above

NUUO Crystal™   v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

*** For Mainconsole H.265, please upgrade to Mainconsole v5.3.0 and above first.

New Camera Supported:

CHAMP	BL3102
Dlink	DCS-4802E
Fine	TCP-VM469, CDV-4VM501, CDB-4VM551
IPCam	NDM7302, NBL7302, NFE5404
OEM	N36320,N76320
Panasonic	WV-SW598, WV-SC385, WV-SFV481
ZAVIO	B6320, P4420, D6320, N38220, N78220, N24420

FW upgrade:

Dlink	DCS-4602EV, DCS-4701E, DCS-4201, Universal Model (test by using DCS-6513 FW: 1.03.03)
Fine	TCP-IRH5080-70, TCP-IRH5080-50
Hikvision	DS-2CD6362F-IVS
Panasonic	WV-SFV631L, WV-SFV631LT, WV-SFV611L, WV-SPN631, WV-SPW631L
ZAVIO	B8220, D8220

Multiple Stream (Without Setting) Supported:

Dlink	DCS-3716, DCS-7010L

Multiple Stream Setting Supported:

CHAMP	BL3102
Dlink	DCS-4602EV, DCS-4701E, DCS-4201, DCS-4802E, Universal Model (test by using DCS-6513 FW: 1.03.03)
Fine	TCP-VM469, TCP-IRH5080-70, TCP-IRH5080-50, CDV-4VM501, CDB-4VM551
Hikvision	DS-2CD6362F-IVS
IPCam	NDM7302, NBL7302, NFE5404
OEM	N36320,N76320
Panasonic	WV-SFV631L, WV-SW598, WV-SC385, WV-SFV481, WV-SFV631LT, WV-SFV611L, WV-SPN631, WV-SPW631L

ZAVIO   B6320, B8220, P4420, D6320, D8220, N38220, N78220, N24420

Notice:

9. CHAMP
   a. BL3102
      i. UPnP can't be used. (Camera Firmware Issue)
10. Dlink
    a. DCS-4602EV
       i. The camera with highest resolution is unable to achieve the setting framerate in MJPEG. (camera performance limitation)
    b. DCS-4201
       i. The 2nd stream can not set to resolution 1280x720, when stream1 resolution is 1280x720. (camera firmware issue)
       ii. The camera with highest resolution is unable to achieve the setting framerate. (camera performance limitation)
    c. DCS-7010L
       i. The camera with highest resolution is unable to achieve the setting framerate in MJPEG and MPEG4. (camera performance limitation)
       ii. The bitrate for 3rd stream may be higher than 100kbps. (camera performance limitation)
    d. Universal Model (test by using DCS-6513 FW: 1.03.03)
       i. The camera with highest resolution is unable to achieve the setting framerate in MJPEG, MPEG4 and H.264. (camera performance limitation)
       ii. The zoom in and out of behaviour are opposite. (camera firmware issue)
       iii. The 3rd stream can not set resolution to 2048x1536 when stream 1 and stream 2 are 2048x1536. (camera performance limitation)
       iv. When the format changes to MPEG4 before format is H.264 or MJPEG with the 176x144 resolution, the display will mosaic. (camera firmware issue)
       v. Universal Model now integrate from spec Nipca 1.9.5..
    e. DCS-3716
       i. The quality setting of M-JPEG is unavailable. (camera firmware issue)
       ii. The main stream of resolution and frame rate list are different with camera web in MPEG4. (camera firmware issue)
       iii. The camera with highest resolution is unable to achieve the setting framerate. (camera performance limitation)

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iv. The frame rate list is different with camera web when resolution set to 2048x1536. (camera firmware issue)

v. The 2nd stream with any resolution is unable to achieve the setting bitrate in MPEG4. (camera performance limitation)

vi. Talk function has stutter. (camrea firmware issue)

11. Fine

a. TCP-VM469

i. Resolution list & frame rate list may not sync with web. (Camera firmware issue)

12. Hikvision

a. DS-2CD6362F-IVS

i. Not support MP2L2. (NUUO server limitation)

ii. When audio codec is changed in webpage, audio in IP Camera 2, 3, 4, 5 can't use correct codec. (Camera firmware issue)

iii. If stream mode is " Mode 2: Fisheye / 4 PTZ", the total number of connections is limited. ex: If someone preview "Fisheye view", you are not permitted to preview " 4 PTZ view". (Camera performance limitation)

13. Panasonic

a. WV-SFV631L

i. The bitrate list doesn't match the camera web. (Camera firmware issue)

ii. Zoom & focus can't be used. (Camera Firmware issue)

iii. Brightness value may not sync with web. (Camera Firmware issue)

iv. Bit Rate Control (Transmission priority) only support Constant bit rate & Frame rate. (NUUO server limitation)

b. WV-SW598

i. Brightness value may not sync with web. (Camera Firmware issue)

ii. The flip status on camera web is opposite to server. (Camera Firmware issue)

iii. The move function can not make live view to center. (Camera Firmware issue)

c. WV-SC385

i. Brightness value may not sync with web. (Camera Firmware issue)

ii. Bit Rate Control (Transmission priority) only support Constant bit rate & Frame rate. (NUUO server limitation)

iii. The flip status on camera web is opposite to server. (Camera Firmware issue)

d. SFV481

i. Brightness Value may not sync with Camera Web Interface (Camera firmware issue)

ii. Audio out 16Kbps was not supported. (NUUO server limitation)

iii. Digital in and Digital out can not trigger continuously. (Camera firware issue.)

iv. Camera may not achieve maximum FPS. (Camera Performance issue)

     v.   The range of bitrate may not sync with camera web (Camera firmware issue)

     vi.   The bit-rate & FPS values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting. (NUUO Server limitation)

     vii.   Snapshot resolution may not sync with display resolution (NUUO server limitation)

14. ZAVIO

    a. B8220

      i.   The max resolution of stream3 will not sync with camera web. (Camera firmware issue)

      ii.   Audio has noise with AMR. (Camera firmware issue)

      iii.   Not G.726 support. (NUUO server limitation)

      iv.   Camera is unable to achieve maximum FPS when audio codec is AMR. (Camera performance limitation)

    b. P4420

      i.   The max resolution of stream3 will not sync with camera web.

Release Version v4.1 (2015/04/18)

Modules:

Device Pack   v 4.1

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 2.1.0 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

*** For Mainconsole H.265, please upgrade to Mainconsole v5.3.0 and above first.

New Camera Supported:

3Svision	N6082, N8072-C, N9073, N9074, N9082, N9085
ACTi	D72A, D82A
Arecont	AV3100M
Dlink	DCS-1301, DCS-6515
EverFocus	Generic
Fine	CDV-MD605, SP-HP2013C-IP, SP-HP2313C-IP, SP-HP2020CM-IP, SP-HP2030CM-IP, SP-HP2620CP-IP, TCP-HDVB110
Forenix	IPD-1080WDR, IPX-1080WDR, IPV-1080WDR, IPB-1080WDR, ISPD-2018, ISPD-2020
Panasonic	K-EF134L, K-EW114L
SANTEC	SNC-211RSIA
SPARK	Nitida 12000
VIVOTEK	FD8367-V, FD8367-TV

FW upgrade:

3Svision	N3072
ACTi	KCM5611
Dlink	DCS-4602EV
Fine	CDB-HFD720, CDB-MV720F-H, CDV-P360-5, SP-HP2020C-IP, SP-HP2320C-IP, SP-HP2330C-IP, SP-HP2020Q-IP, SP-HP2030Q-IP, SP-HP2330Q-IP, SP-HP2336Q-IP, TCP-BF108, TCP-BF128, TCP-HDVB720-H, TCP-HFB720-H
Zavio	B8220, D8220

Multiple Stream Setting Supported:

3Svision	N3072, N9073, N9074, N9085, N9082, N6082, N8072
ACTi	D72A, D82A, KCM5611
Arecont	AV3100M
Dlink	DCS-1301, DCS-4602EV
EverFocus	Generic
Fine	SP-HP2013C-IP, SP-HP2313C-IP, SP-HP2030CM-IP, SP-HP2620CP-IP, TCP-HDVB110, CDB-HFD720, CDB-MV720F-H, CDV-P360-5, SP-HP2320C-IP, SP-HP2330C-IP, SP-HP2020Q-IP, SP-HP2030Q-IP, SP-HP2330Q-IP, SP-HP2336Q-IP, TCP-BF108, TCP-BF128, TCP-HDVB720-H, TCP-HFB720-H
Forenix	IPD-1080WDR, IPX-1080WDR, IPV-1080WDR, IPB-1080WDR, ISPD-2018, ISPD-2020
Panasonic	K-EF134L, K-EW114L

SANTEC	SNC-211RSIA
SPARK	Nitida 12000
VIVOTEK	FD8367-V, FD8367-TV
Zavio	B8220, D8220

Notice:

1. ACTi
   a. KCM-5611
      i. Max resolution with stream1 will be affected by stream2 and vice versa (Camera Firmware issue).
      ii. Motion detection does not support with MJPEG format (Camera Firmware issue).
      iii. Response is slow to RS485 (Camera Firmware issue).
2. Arecont
   a. AV3100M
      i. DI/DO is not active so that we can't integrate it.(Camera Firmware issue)
      ii. Camera is unable to achieve ordinary FPS due to insufficient performance.(Camera performance limitation)
      iii. The connections at dual stream mode are unstable.(Camera performance limitation)
      iv. To get a model name is not match a real name so that auto detection and camera search tool can not support. (Camera Firmware issue)
3. D-link
   a. DCS-1301
      i. The resolution and bitrate list may not be synchronized with camera web.(Camera Firmware issue)
4. EverFocus
   a. Generic
      i. Not support CBR mode. (Camera Firmware issue)
      ii. It will lose parameters of stream2 and stream3 if you disable stream2 and stream3 on camera web. (Camera performance limitation)
5. Fine
   a. SP-HP2013C-IP
      i. DI & DO can't be used. (Camera Firmware issue)
      ii. Bitrate list and quality list may not be synchronized with camera web. (Onvif limitation)
      iii. 704x288 is not shown in the resolution list of the second stream. (Camera Firmware issue)

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     iv.   Auto focus is not supported. (Camera performance limitation)

     v.   [IP+]Video parameter setting does not synchronize to camera web. (Camera Firmware issue)

     vi.   [NAS]Focus and PTZ speed setting are not supported. (NUUO server limitation)

     vii.   [NAS]The image of snapshot doesn't update via Snapshot to FTP function.(Camera Firmware issue)

  b. SP-HP2020C-IP

     i.   DI does not function. (Camera Firmware issue)

     ii.   DO is unable to turn off. (Camera Firmware issue)

     iii.   Bitrate list and quality list may not be synchronized with camera web. (Onvif limitation)

     iv.   704x288 is not shown in the resolution list of the second stream. (Camera Firmware issue)

     v.   Flip and mirror are not supported. (Onvif limitation)

     vi.   Auto pan is not supported. (Onvif limitation)

     vii.   Auto focus is not supported. (Camera performance limitation)

     viii.   Hue setting is not supported. (Onvif limitation)

     ix.   Video parameter setting does not synchronize to camera web. (Camera Firmware issue)

     x.   [NAS]Focus and PTZ speed setting are not supported. (NUUO server limitation)

  c. TCP-HDVB720-H

     i.   Setting FPS have problems(Camera Firmware issue), example:

        (1) Stream1 & Stream2 format: JPEG, when stream1's resolution decrease, stream2's fps would increase a little

        (2) Stream1 & Stream2 format: H264, stream2's fps can't reach our setting

        (3) When this camera's users more than 1, fps would decrease

6. Forenix

  a. IPD-1080WDR

     i.   Stream1 and stream2 framerate list is not as same as web. (Camera Firmware issue)

     ii.   In 1080p HD 12bits 60fps(True WDR) mode, stream2 and stream3 can not connect , and can not get parameters.(Camera Firmware issue)

  b. IPSD-2020

     i.   Not support Talk.(Camera Firmware issue)

     ii.   Always trigger input-0 if alarm 1~4 has been trigged.(Camera Firmware issue)

     iii.   Audio was broken with G.726.(Camera Firmware issue)

     iv.   [NAS]Focus can't be used.(NUUO server limitation)

     v.   Not support camera search.(NUUO server limitation)

vi.   Not support auto detection.(NUUO server limitation)
7. Panasonic
    a. K-EF134L
        i.   The bit-rate values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting. (NUUO Server limitation)
        ii.   Video parameter setting and rotate function may result in failure by Day/Night profile. (Camera Firmware issue)
        iii. When format is MJPEG, and resource is too much, the image is not complete. (Camera performance limitation)
        iv.   UPNP search fail. (Camera Firmware issue)
    b. K-EW114L
        i.   The bit-rate values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting. (NUUO Server limitation)
        ii.   Video parameter setting and rotate function may result in failure by Day/Night profile. (Camera Firmware issue)
        iii. When format is MJPEG, and resource is too much, the image is not complete. (Camera performance limitation)
        iv.   The bitrate ranges of server are different from camera web while image format is MJPEG.(Camera Firmware issue)
8. Santec
    a. SNC-211RSIA
        i.   Audio in with 16 KHz sampling rate does not supported. (NUUO server limitation)
        ii.   Camera UPNP Search does not supported (Camera Firmware issue)
        iii. Auto Focus function does not supported (Camera Firmware issue)
        iv.   Stream parameter setting may fail if the ranges of bitrate and framerate are not synchronized with the camera web. (Camera Firmware issue)
        v.   Server Bitrate Value may not synchronized with web interface. (Camera Firmware issue)
        vi.   Mirror function integrated with flip function, mirror button does not work. (Camera Firmware issue)
9. Spark
    a. Nitida 12000
        i.   Second stream is unable to achieve setting bit rate.(Camera performance limitation)
10. 3Svision
    a. N3072

     i.   The bit rate via MJPEG is too high. (Camera performance limitation)

    ii.   The frame rate via MJPEG is unable to achieve maximum FPS. (Camera performance limitation)

   iii.   Connection lost when frame rate is set to 1 fps. (Camera performance limitation)

   iv.   Pan and tilt speed will set together. (Camera Firmware issue)

    v.   Down left, Down right, up left and up right will pan first and then still tilt. (Camera Firmware issue)

b. N8072-C

     i.   The actual audio codec is different with the setting codec. (Camera Firmware issue)

    ii.   The stream 3's fps range is different to web. (Camera Firmware issue)

c. N9085

     i.   The minimum stream's bitrate is too high. (Camera performance limitation)

    ii.   The stream 3's fps range is different to web. (Camera Firmware issue)

Bug Fixed:

[MainConsole]

Release Version v4.0.0 (2015/04/15)

Modules:

    Device Pack   v 4.0.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

ADEMCO	ADKIL134RT, ADKID134RT, ADKID207VRT,ADKID204VRT, ADKID207RT, ADKIL207RT
D-Link	DCS-4201, DCS-4602EV
Fine	CDV-3F828, SP-PTIR736A-IP, TCP-BF208, TCP-HDVB180
Hikvision	DS-8116HQHI-SH
Panasonic	DG-GXE100, WV-SF539, WV-SPN311, WV-SFV611L, WV-SFV631LT, WV-SPN631, WV-SPW631L, WV-SW155, WV-SW458
SANTEC	SNC-311FBIF, SNC-311FEIF, SNC-311RINA, SNC-311RDIA, SNC-311RBIA
VIVOTEK	FE8181
Zavio	B6210, B8220, D6210, D8220

FW upgrade:

Centrix	Generic
D-link	DCS-6513

Multiple Stream Setting Supported:

ADEMCO	ADKIL134RT, ADKID134RT, ADKID207VRT,ADKID204VRT, ADKID207RT, ADKIL207RT
Centrix	Generic
D-Link	DCS-4201, DCS-4602EV, DCS-6513
Fine	CDV-3F828, TCP-BF208, TCP-HDVB180
Hikvision	DS-8116HQHI-SH
Panasonic	DG-GXE100, WV-SF539, WV-SPN311, WV-SFV611L, WV-SFV631LT, WV-SPN631, WV-SPW631L, WV-SW155, WV-SW458
SANTEC	SNC-311FBIF, SNC-311FEIF, SNC-311RINA, SNC-311RDIA, SNC-311RBIA
VIVOTEK	FE8181
Zavio	B6210, B8220, D6210, D8220

Notice:

1. ADEMCO
   a. ADKID134RT, ADKIL134RT, ADKID207RT, ADKIL207RT, ADKID204VRT, ADKID207VRT
      i. The ranges of bitrate and framerate may be different from camera web. (Camera Firmware issue)
      ii. PTZ controls are not supported via ONVIF. (Camera Firmware issue)
      iii. Motion detection is not supported on MJPEG. (Camera performance limitation)
      iv. Bitrate of actual streaming may be different from the setting. (Camera Firmware issue)
      v. Frame rate of actual streaming may be different from the setting. (Camera Firmware issue)

2. Centrix
   a. Generic
      i. It can't stop pan & tilt sometimes. (Camera performance limitation)
      ii. It can't set zoom speed. (Camera Firmware issue)
      iii. It should set one stream in MJPEG, the snapshot will work. (Camera Firmware issue)
      iv. If set preset point too fast, it will set worng point. (Camera performance limitation)
      v. The resolution setting doesn't sync with web. (Camera Firmware issue)

3. Dahua
   d. HCVR5104H
      i. The bit-rate values in the combo box are not all valid, users have to choose a valid one (the range can be get from the web of the device) while setting. (NUUO Server limitation)
      ii. The auto detection and the UPnP searching are not supported. (Camera Firmware issue)
      iii. The audio-in is for Channel 1 only. (Camera Firmware issue)

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iv. The PCM audio format is not supported. (Camera Firmware issue)

v. The talk function is not supported. (Camera Firmware issue)

vi. The move and auto-pan functions of PTZ are not supported. (Camera Firmware issue)

vii. After doing focus-near or focus-far, it will do autofocus immediately. (Camera Firmware issue)

viii. The auto-focus is not supported because it is not supported by the Dahua CGI API. (Camera Firmware issue)

ix. The motion detection is not supported. (Camera Firmware issue)

x. In some cases (lower FPS), setting the video configuration will fail, even the bit-rate is fit. (Camera Firmware issue)

11. D-link

    a. DCS-4201

      i. In aspect ratio 4:3, stream2 is unable to achieve maximum 30 FPS when stream1 is setting maximum 30 FPS with highest quality and 960x720 resolution.(Camera performance limitation)

      ii. In aspect ratio 16:9, stream2 is unable to achieve maximum 30 FPS when stream1 is setting maximum 30 FPS with highest quality and 1280x720 resolution. (Camera performance limitation).

    b. DCS-4602EV

      i. The resolution in Stream 1 and Stream 2 can't set 1280x720 at the same time.(Camera Firmware issue)

    c. DCS-6513

      i. PTZ only supports focus.

      ii. In aspect ratio 4:3, the resolution of profile2 can't set 2048x1536 with H.264 and MJPEG.(Camera firmware issue)

      iii. We can't integrate zoom function in our system, due to CGI request only has get operation by defining NIPCA 1.9.5. (Camera firmware issue)

12. Hikvision

    a. DS-8116HQHI-SH

      i. The resolution of streaming was not stable.(Camera Firmware issue)

      ii. MD can't be used.(Camera Firmware issue)

      iii. The video parameter(brightness, contrast..) can't be used.(Camera Firmware issue)

      iv. UPnP search can't be used.(Camera Firmware issue)

      v. The number of DI and DO was wrong.(Camera Firmware issue)

      vi. Can't get RTSP port, default value 554.(Camera Firmware issue)

13. Panasonic

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 a. WV-SF539

  i. Brightness value may not sync with web. (Camera Firmware issue)

  ii. Video connect fail with specific parameters.
Detail:
https://docs.google.com/spreadsheets/d/1Ri44tFID29DKYhf-s6VQhDlmfYycbLV8n
uhpASVlksw/edit#gid=0

  iii. The 2nd stream cannot be set and connect while the image mode is 3mega pixel.(Camera Firmware issue)

 b. WV-SFV631LT

  i. AAC-LC is only used when recording audio on an SD memory card.(Camera performance limitation)

  ii. Snapshot resolution is always the same as MJPEG resolution.(Camera performance limitation)

  iii. Camera is unable to achieve maximum FPS.(Camera performance limitation)

 c. WV-SW155

  i. Brightness value may not sync with web. (Camera Firmware issue)

 d. WV-SW458

  i. G726/16Kbps has noise. (NUUO server limitation)

  ii. Brightness value may not sync with web.(Camera Firmware issue)

  iii. MountType and DispalyMode UI only support English. (NUUO server limitation)

  iv. Camera is unable to achieve maximum FPS. (Camera performance limitation)

  v. Setting higher bitrate may be fail (Cammera Firmware issue)

  vi. Motion event snapthot resolution may not sync with current stream (NUUO server limitation)

14. Santec

 a. SNC-311 FEIF

  i. Camera search is not supported. (Camera Firmware issue)

  ii. Stream parameter setting may fail if the ranges of bitrate and framerate are not synchronized with the camera web. (Camera performance limitation)

  iii. HTTP and RTSP port cannot be changed on the camera web. (Camera Firmware issue)

 b. SNC-311 RBIA

  i. Camera search is not supported. (Camera Firmware issue)

  ii. Autodetection will detect the wrong model. (Camera Firmware issue)

  iii. Stream parameter setting may fail if the ranges of bitrate and framerate are not synchronized with the camera web. (Camera performance limitation)

  iv. Pan and tilt are not supported. (Camera performance limitation)

       v.   Camera does not stop zooming until it reaches the end. (Camera Firmware issue)

      vi.   Some frame rates are not supported if the video format is H.264H. (Camera performance limitation)

     vii.   Video parameter setting, flip and mirror are supported under normal mode. (NUUO server limitation)

15. Vivotek

   a. FE8181

      i.   PTZ only support zoom.

     ii.   Brightness & Contrast range is not synchronize with web. (Camera Firmware issue)

    iii.   Snapshot will save stream3's resolution.   (Camera Firmware issue)

16. Zavio

   a. B6210

      i.   Framerate range is not synchronize with web. (Camera Firmware issue)

   b. N26210, N26211

      i.   Stream 2 CGI setting will fail when resolution of Profile3 is 1920x1080 and 1280x720.(Camera Firmware issue)

     ii.   The camera with higher quality and MJPEG format is unable to achieve 30 fps.(Camera Firmware issue)

   c. N77320

      i.   Frame rate can't reach setting value.(Camera Firmware issue)

Bug Fixed:

[MainConsole]

1. [Axis] - Fix issue that Main Console Edge Record automatically stops in every day.

2. [Arecont] - Fix issue that cannot set parameters of Arecont cameras.

3. [Generic RTSP] - Fix Generic RTSP crash issue.

4. [Sony] - Fix crash issue.

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Release Version v3.13.0 (2015/03/16)

Modules:

    Device Pack   v 3.13.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

Acti	I92
Axis	P3214-V, P3215-V
Dahua	IPC-HFW5302C, IPC-HF5100, IPC-HF5200, IPC-HFW5100D, IPC-HFW5200D, IPC-HFW5100-IRA, IPC-HFW5200-IRA, IPC-HFW5100C, IPC-HFW5200C, IPC-HFW5300C, IPC-HFW5202C, IPC-HFW5100E-VF, IPC-HFW5200E-VF, IPC-HFW5300E-VF, IPC-HFW5200E-Z, IPC-HFW5300E-Z, IPC-HDBW5100, IPC-HDBW5200, IPC-HDBW5300, IPC-HDBW5202, IPC-HDBW5302, IPC-HDBW5100-DI, IPC-HDBW5200-DI, IPC-HDBW5300-DI, IPC-HDBW5202-DI, IPC-HDBW5302-DI, IPC-HDB5100, IPC-HDB5200, IPC-HDB5300, IPC-HDB5202, IPC-HDB5302, IPC-HDB5100-DI, IPC-HDB5200-DI, IPC-HDB5300-DI, IPC-HDB5202-DI, IPC-HDB5302-DI , SD32203S-HN, SD50220S-HN, SD50230S-HN, SD52C220S-HN, SD52C230S-HN, SD50120S-HN, SD52C120S-HN, SD40212S-HN, SD42212S-HN, SD42C212S-HN, SD59212S-HN, SD59230S-HN, SD59120S-HN, SD63220S-HN, SD63230S-HN, SD63120S-HN, SD6C220S-HN, SD6C230S-HN, SD6C120S-HN, SDZW2030S-HN
D-Link	DCS-1201, DCS-4701E
Fine	ACM-V3002, TCP-HVB3100D, TCP-HVB3105D, ACM-R3002, TCP-MB605
GNS	GNS-A3101LE, GNS-A3253LE, GNS-B3202LE

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Hikvision	DS-2CD6362F-IVS, DS-2CD6332FWD-I, DS-2CD6332FWD-IV, DS-2CD6332FWD-IS, DS-2CD6332FWD-IVS, DS-2CD6362F-I, DS-2CD6362F-IV, DS-2CD6362F-IS
Onvif	Lilin IPS518
Panasonic	WV-SFN310, WV-SFN310J, WV-SFN311
Watchnet	MPIX-21DF

FW upgrade:

Fine	ACM-V3103
Sunell	Generic
Zavio	F7210

Multiple Stream Setting Supported:

ACTi	I92
Axis	P3214-V, P3215-V
Fine	ACM-V3103, ACM-V3002, TCP-HVB3100D, TCP-HVB3105D, ACM-R3002
GNS	GNS-A3101LE, GNS-A3253LE, GNS-B3202LE
Hikvision	DS-2CD6362F-IVS, DS-2CD6332FWD-I, DS-2CD6332FWD-IV, DS-2CD6332FWD-IS, DS-2CD6332FWD-IVS, DS-2CD6362F-IV, DS-2CD6362F-IS
Onvif	Lilin IPS518
Panasonic	WV-SFN310, WV-SFN310J, WV-SFN311
Zavio	F7210

Notice:

17. Axis
    a. P3214-V
        i. Zoom speed setting does not support.(Camera limitation)
18. Dahua
    a. IPC-HFW5302C
        i. When framerate set to 1 and record dynamic picture, the picture's framerate may rise to 30 immediately.(Camera firmware issue)
        ii. Zoom in/out will not run step by step, it will zoom to limit directly.(Camera firmware issue)
        iii. DO can not trigger.(Camera firmware issue)

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  iv. The range of parameter on camera will change by other parameter, parameter setting in VMS can't synchronize with camera.(Camera firmware issue)

  v. Video parameter setting and rotate function may result in failure by Day/Night profile.(Camera firmware issue)

  vi. Sometime parameter dialog will fail to get parameters with high resolution, framerate, and bitrate.(Camera performance limitation)

 b. SD52C220S-HN

  i. The range of parameter on camera will change by other parameter, parameter setting in our VMS can't synchronize with camera.(Camera firmware issue)

  ii. The camera can't be search by auto detection function and UPnP tool.(Camera firmware issue)

  iii. When framerate set to 1 and record dynamic picture, the picture's framerate may rise to 30 immediately.(Camera firmware issue)

  iv. Video parameter setting and rotate function may result in failure by Day/Night profile.(Camera firmware issue)

  v. Sometime parameter dialog will fail to get parameters with high resolution, framerate, and bitrate.(Camera performance limitation)

  vi. The setting may fail when setting format from MJPEG to H.264.(Camera firmware issue)

  vii. Audio and talk functions will fail with codec PCM.(Camera firmware issue)

19. Fine

 a. ACM-V3103

  i. Audio in can't work. (Camera firmware issue)

  ii. RS-485 can't work. (Camera firmware issue)

  iii. Alarm out can't work.(Camrea firmware issue)

 b. TCP-HVB3100D, ACM-R3002, ACM-V3002 (Certificated by ACM-V3103)

  i. Refer to ACM-V3103 issues.

  ii. The specification for ACM-V3103 are different from these certificate models, known issues are as below.

   (1) Frame rate can't meet the maximum value.(Camera performance limitation)

   (2) Not support zoom and focus.

 c. TCP-HVB3105D (Certificated by ACM-V3103)

  i. Refer to ACM-V3103 issues.

  ii. The specification for ACM-V3103 is different from TCP-HVB3105D, known issue is as below.

   (1) Frame rate can't meet the maximum value.(Camera performance limitation)

20. GNS
   a. GNS-A3101LE
      i. Camera search and autodetect do not function for this camera.(Camera firmware issue)
      ii. The camera does not support functions including DI, DO, PTZ, audio and talk.(Camera firmware issue)
      iii. The frame rate range is different from what the camera web shows.(Camera firmware issue)
      iv. Resolution 704x480 cannot be set.(Camera firmware issue)
      v. Video format cannot be switched.(Camera firmware issue)
      vi. The video parameters may not be synchronized with actual streaming.(Camera firmware issue)
      vii. Hue setting is not supported.(ONVIF limitation)
   b. GNS-A3253LE
      i. Can not switch video format.(Camera firmware issue)
      ii. Supprot at most 25 FPS in 1st stream.(Camera firmware issue)
      iii. Camera is unable to achieve maximum FPS.(Camera firmware issue)
      iv. Can't listen to the audio of camera.(Camera firmware issue)
      v. The FPS of stream2 always be 25 is MJPEG.(Camera firmware issue)
      vi. The autodetection and search function can't be work.(Camera firmware issue)
   c. GNS-B3202LE
      i. Some bitrate can't be set.(ONVIF limitation)
21. Hikivision
   a. DS-2CD6362F-IVS
      i. Not support MP2L2.(NUUO server limitation)
      ii. When audio codec is changed in webpage, audio in IP Camera 2, 3, 4, 5 can't use correct codec.(Camera firmware issue)
      iii. If stream mode is "Mode 2: Fisheye / 4 PTZ", the total number of connections is limited. Ex: If someone preview "Fisheye view", you are not permitted to preview "4 PTZ view".(Camera performance limitation)
22. Lilin
   a. IPS518
      i. The range of bitrae and frame may be different from what camera web shows.(Camera firmware issue)
      ii. Image setting, digital input, talk and motion detection do not function.(Camera firmware issue)
      iii. Zoom and focus do not function normally.(Camera firmware issue)

iv.　Video setting may not be synchronized to camera web.(Camera Firmware issue)

v.　Audio is not available under TCP and UDP.(Camera performance limitation)

vi.　Autodetection and camera search do not function.(Generic model)

vii.　The camera supports 4 streams, while only 3 streams could be displayed.(NUUO server limitation)

viii.　Some frame rates and bit rates cannot be set.(ONVIF limitation)

ix.　Dependency between frame rate and bitrate is not shown.(ONVIF limitation)

x.　Flip and mirror are not supported.(ONVIF limitation)

23. Panasonic

a. WV-SFN310

i.　Setting higher bitrate may be fail.(Camera firmware issue)

ii.　When 60fps mode, H.264 (1) bitrate cannot be set less than 1024. (Camera performance limitation)

iii.　No Audio when audio codec is AAC.(NUUO server limitation)

iv.　Bitrate list range is not synchronize with web.(Camera firmware issue)

v.　MJPEG framerate is affected by h264 stream. If h264 stream(1 or 2) open, MJPEG support 5 fps the most.(Camera performance limitation)

vi.　Brightness value may not sync with web.(Camera firmware issue)

vii.　Motion event snapshot resolution sync with stream3 instead of stream1.(Camera firmware issue)

24. Sunell

a. Generic

i.　The ranges of bitrate and framerate may be different from camera web.(Camera firmware issue)

ii.　PTZ controls are not supported via ONVIF.(Camera firmware issue)

iii.　Motion detection is not supported on MJPEG.(Camera performance limitation)

iv.　Bitrate of actual streaming may be different from the setting.(Camera firmware issue)

v.　Frame rate of actual streaming may be different from the setting.(Camera firmware issue)

25. Watchnet

a. MPIX-21DF

i.　The range of parameter on camera will change by other parameter, our parameter dialog can't synchronize with camera.(Camera firmware issue)

ii.　The camera can't be search by auto detection function and UPnP tool.(Camera firmware issue)

iii. When framerate set to 1 and record dynamic picture, the picture's framerate may rise to 30 immediately.(Camera firmware issue)

iv. Video parameter setting and rotate function may result in failure by Day/Night profile.(Camera firmware issue)

Bug Fixed:

[MainConsole]

1. [Vivotek] - Block the edge record function for all unsupported model

2. [Mobotix] - Fix M10D disconnection issue.

[Crystal]

1. [ONVIF] - Fix issue which was timeout failed to set ONVIF camera parameters.

2. [QVS] - Fix issue which was timeout failed to set QVS generic camera parameters.

3. [Messoa] - Fix the PTZ not working issue and PTZ config can't be setup issue.

4. [QVS] - Fix issue which was the camera profile has been add/delete in DP 3.10.

5. [Vivotek] - Fix the socket buffer issue of Mjpeg reciever

[Mini2]

1. [Axis] - Fix DI/DO abnormal status from NC/NO setting.

2. [Vivotek] - Fix the socket buffer issue of Mjpeg reciever

[Titan]

1. [Samsung] - Fix greying horrid problem of Samsung SND-6084R camera issue.

2. [Vivotek] - Fix the socket buffer issue of Mjpeg reciever

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Release Version v3.12.0 (2015/02/05)

Modules:

Device Pack   v 3.12.0

Supported Systems:

Mainconsole   v 4.1.12 and above*
NVRmini 2   v 1.7.1 and above**
NVRsolo   v 1.1.1 and above**
Titan NVR   v 1.6.2 and above
NUUO Crystal™   v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.
**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

Acti	B27, B47, B61, B81
D-Link	DCS-7518
Fine	CDV-3VM800Z42, TCP-B365K, TCP-HDVB800Z42, TCP-M360K, TCP-MZ605

FW upgrade:

Axis	M3004, M3025, P1354, P5544
Brainchild	CAM-335E
Brickcom	OSD-200A 20xp
Dynacolor	Generic (Z4SA-8)
Fine	CDV-5VM501Z3, TCP-VM559Z3
Zavio	B7210

Multiple Stream Setting Supported:

ACTi	B27, B47, B61, B81
Axis	M3004, M3025, P1354, P5544
BrainChild	CAM-335E
Brickcom	OSD-200A 20xp

| **Fine** | CDV-5VM501Z3, TCP-VM559Z3 |
| **Zavio** | B7210 |

Notice:

26. BrainChlid

    a. CAM-335E

        i. Camera is unable to achieve maximum FPS when Main or 2nd stream with high bitrate.(Camera performance limitation)

        ii. Camera with high resolution and bitrate casues stream lag.(Camera performance limitation)

        iii. After seting camera parameters, user cannot get video parameters and connect camera immediately.(Camera performance limitation)

        iv. Motion detecton doesn't work when first stream format is set to MJPEG.(Camera issue)

27. Brickcom

    a. OSD-200A 20xp

        i. Snapshot suppoorted when one of stream chooses MJPEG. (Camera firmware issue)

        ii. Error preset point. (Camera firmware issue)

28. Dlink

    a. DCS-7518

        i. Can not search the camera by UPnP. (Camera firmware issue)

        ii. Talk function will fail with G.711 a-law. (Camera firmware issue)

        iii. Camera video parameter of contrast will fail when set up to 9. (Camera firmware issue)

        iv. The list of resolution and framerate is not synchronized with camera web. (Camera firmware issue)

29. DynaColor

    a. Generic

        i. Generic support model: W1-BA100, W2-BAZ40, W5-CDWK0, NH073, NH063

        ii. Parameter setting will fail when mutistream is allow and resolution higher than 1080p.

        iii. PT function are not test on software.

        iv. The maximum resolution is depends on camera.

        v. Camera (Z series) firmwave must be z120141215NSZ or above then can use generic model.

        vi. Camera (W series) firmwave must be z120130417NSA or above then can use generic model.

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      vii.   Camera (X series) firmwave must be z120141027NSA or above then can use generic model.

  30. Fine

     a. CDV-3VM800Z42

       i.   The camera with highest resolution and MJPEG is unable to achieve highest fps. (Camera firmware issue)

       ii.   If connect 2 or above streams, bitrate and frame rate will decrease. (Camera performance limitation)

     b. CDV-5VM501Z3

       i.   PTZ could only support zoom and autofocus.

  31. ZAVIO

     a. B7210

       i.   Setting will failed when setting the resolution to 640x360.(Camerat firmware issue)

       ii.   Camera is unable to achieve maximum FPS.(Camera performance limitation)

       iii.   Camera setting will fail randomly.(Camera firmware issue)

Bug Fixed:

[MainConsole]

  1. [Vivotek] - Block the edge record function for all unsupported model

  2. [Mobotix] - Fix M10D disconnection issue.

[Crystal]

  1. [ONVIF] - Fix issue which was timeout failed to set ONVIF camera parameters.

  2. [QVS] - Fix issue which was timeout failed to set QVS generic camera parameters.

  3. [Messoa] - Fix the PTZ not working issue and PTZ config can't be setup issue.

  4. [QVS] - Fix issue which was the camera profile has been add/delete in DP 3.10.

  5. [Vivotek] - Fix the socket buffer issue of Mjpeg reciever

[Mini2]

  1. [Axis] - Fix DI/DO abnormal status from NC/NO setting.

  2. [Vivotek] - Fix the socket buffer issue of Mjpeg reciever

[Titan]

  1. [Samsung] - Fix greying horrid problem of Samsung SND-6084R camera issue.

  2. [Vivotek] - Fix the socket buffer issue of Mjpeg reciever

Release Version v3.11.0 (2015/01/05)

Modules:

Device Pack	v 3.11.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

Acti	E82
Axis	P1428-E
Fine	CDB-T5, CDV-DT5
Forenix	IPB-1080F28
GNS	GNS-A4102, GNS-3102LE
Panasonic	WV-SFN310, WV-SFN311, WV-SW158
Sony	SNC-ZB550
Vivotek	FD8169, IB8369
WatchNET	MPIX-30-VDV-IRM, MPIX-50BIMR
Zavio	D8210, Generic

FW upgrade:

Dlink	DCS-6511
Fine	CDB-HD280, CDB-HFD828, CDV-3VM800-H, CDV-3VM800Z3, CDV-MV1080F-H, TCP-2200AM-H, TCP-2800AM, TCP-BF1080, TCP-BF828IR, TCP-HDVB800-H, TCP-HDVB800Z3, TCP-HP1080-H
Samsung	SNP-6200RH
Zavio	B8210

Multiple Stream Setting Supported:

ACTi	E82
Axis	P1428-E
Fine	CDB-HD280, CDB-HFD828, CDB-T5, CDV-DT5, CDV-3VM800-H, CDV-3VM800Z3, CDV-MV1080F-H, TCP-2200AM-H, TCP-2800AM, TCP-BF1080, TCP-BF828IR, TCP-HDVB800-H, TCP-HDVB800Z3, TCP-HP1080-H
GNS	GNS-A4102, GNS-3102LE
Panasonic	WV-SFN310, WV-SFN311, WV-SW158
Samsung	SNP-6200RH
Sony	SNC-ZB550
Vivotek	FD8169, IB8369
Zavio	B8210, D8210

Notice:

32. ACTi

   a. E82

      i. Actualy camera bitrate may exceed configurated value. (Camera firmware issue)

      ii. Main console Flip/mirror checkbox not sync with Web interface. (NUUO server limitation)

33. DLink

   a. DCS-6511

      i. PTZ only support zoom and focus

      ii. When Changing format to MPEG4, the resolution "176x144" will be kept even though it is not supported undr MPEG4. (Camera firmware issue)

      iii. Camera is unable to achieve maximum FPS. (Camera performance limitation)

34. Fine

   a. CDB-T5

      i. Only audio can ben exported while selecting MOV format in playback system. (NUUO server limitation)

   b. CDV-DT5

      i. Camera is unable to achieve maximum FPS. (Camera performance limitation)

      ii. Main console Flip/mirror checkbox not sync with Web interface. (NUUO server limitation)

35. GNS

   a. GNS-A4102

      i. Can not switch video format. (Camera issue)

ii.   The maximum FPS can only achieve 25 FPS (Camera issue)

iii.   Can't listen to the audio of camera. (Camera issue)

36. Panasonic

a. WV-SFN310

i.   It may have chance to fail to set higher bitrate (Cammera firmware issue)

ii.   When setting to 60fps, H.264(1) bitrate cannot be set less than 1024 (Cammera firmware issue)

iii.   When setting flip, flip option still shows unchecked (Cammera firmware issue)

b. WV-SW158

i.   Mirror is not supported (Camera firmware issue)

ii.   It may have chance to fail to set higher bitrate (Cammera firmware issue)

37. WatchNet

a. MPIX-30-VDV-IRM

i.   The range of parameter on camera will be changed by other parameter setting, thus our parameter dialog can't synchornize with camera.(Camera firmware issue)

ii.   Not support Zoom and Focus.(Camera firmware issue)

iii.   Not support UPnP search.(Camera firmware issue)

iv.   Not support Auto Detection.(Camera firmware issue)

v.   The range of bitrate and value are different from camera web under MJPEG.(Camera firmware issue)

vi.   Get camera config will be failed when triple stream are MJPEG with highest parameter.(Camera performance limitation)

b. MPIX-50BIMR

i.   The range of parameter on camera will be changed by other parameter setting, our parameter dialog can't synchornize with camera.(Camera firmware issue)

ii.   Not support UPNP search.(Camera firmware issue)

iii.   Not support Auto Detection.(Camera firmware issue)

iv.   Audio in with 16 KHz sampling rate is not supported.

v.   PCM in audio format can't be used.(Camera firmware issue)

vi.   Sub stream can't be used in MJPEG.(Camera firmware issue)

38. Vivotek

a. FD8169, IB8369

i.   Video parameter's range (brightness & contrast) is displayed incorrectly. (Camera firmware issue)

39. Zavio

a.   Generic Model

i.   It may fail to set Profile 2 to 1920x1080 or 1280x720. (Camera Firmware Issue)

    ii. Not support to set profile 3 to 1920x1080 or 1280x720; while the setting is supported in camera web. (Camera Firmware Issue)

  40. Samsung

    a. Camera is unable to achieve maximum FPS with high quality / bitrate. (Camera performance limitation)

Bug Fixed:

[MainConsole]

  1. [Axis] - Fix DO function logic when using normal open.

  2. [Santec] – Support setting "Home" point to specific preset point which user chooses.

  3. [Panasonic] – Fix issue about preset list disappear after Main Console reboot.

Release Version v3.10.0 (2014/12/05)

Modules:

Device Pack	v 3.10.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

Acti	KCM5511 , I71
D-Link	DCS-6212L ,
Fine	TCP-MB685
Flir	FC-348S-NTSC ,FC-309,FC-313,FC,334,FC-334S,FC-324,FC-324S,FC-363, FC-618-R-NTSC, FC-690S
GNS	FC-669S,FC-645S,FC-632S.
Samsung	GNS-C1201L,GNS-C3203LE
Sony	SNP-6320H, SNB-6004 , SND-6084
Sunell	SNC-VB630
VisionHitech	SN-IPC55/20EDN , SN-IPD54/12VDN VPD202BM2Ti-IR

FW upgrade:

Acti	KCM5511 , I71
Dlink	DCS-3511, DCS-6116, DCS-7517
Fine	WB-H814, TCP-MZ602, TCP-MB602, CDV-MD602, CDB-MD602,
Samsung	SNB-6004 , SND-6084

Sony	SNC-VB630
Zavio	D4210 ,D4211

Multiple Stream Setting Supported:

Samsung	SNP-6320H, SNB-6004 , SND-6084

Notice:

41. ACTi
    a. I71
        i. Camera automatically restarted when it received too many upnp broadcasts in the same domain. (Camera firmware issue)
    b. KCM-5511
        i. In dual mode, when the FPS setting for 2nd stream is 20, it actually will get false value (30).(Camera firmware issue)
        ii. In single mode, the resolution N1920x1080 in video format H264 actually display N1920x1072.(Camera firmware issue)
        iii. In dual mode, when the stream 1 video format setting changed, some setting of stream 2 will changed, too. It makes CGI returned wrong stream2 resolution value.(Camera limitation issue)

42. Dlink
    a. DCS-3511
        i. The camera with low bitrate is unable to achieve max framerate and is easily disconnected.
        ii. The camera with highest quality and resolution is unable to achieve 30 fps
        iii. The PTZ Preset Home could not be worked.
    b. DCS-6116
        i. Talk function only support G.711 mu-law.(Camera firmware issue)
        ii. Camera is unable to achieve maximum FPS when Main or 2nd stream with high bitrate. (Camera performance limitation).
    c. DCS-7517
        i. Bitrate cannot be set to 8Mbps. (Camera firmware issue)
        ii. Audio function only support G.711. (Camera firmware issue)
        iii. Talk function could not be worked. (Camera firmware issue)
        iv. DI cuold not be worked. (Camera firmware issue)

43. GNS

a. GNS-C1201L

    i. Audio only support G7.11. (Camera firmware issue)

b. GNS-C3203LE

    i. DO cannot be triggered. (Camera firmware issue)

    ii. Motion cannot be triggered when video format is MJPEG. (Camera firmware issue)

    iii. If change mode to corridor 90 or 270, the information of stream 3 is incorrect and stream 3 can not connect. (Camera firmware issue)

    iv. Camera is unable to achieve FPS when 3 streams are connecting. (Camera performance limitation)

44. Samsung

a. SND-6084

    i. The camera with higher quality and resolution is unable to achieve 30 fps (Camera performance issue)

45. Sunell

a. SN-IPD54/12VDN

    i. The snapshot function cannot be used.(Camera firmware issue)

    ii. The PTZ function cannot be used on camera web.(Camera firmware issue)

    iii. Some framerate and bitrate cannot be set due to Onvif restriction.(Camera firmware issue)

    iv. Due to Onvif restriction, some frame rate and bit rates cannot be set .(Camera firmware issue)

    v. [NAS]Audio only support G.711 mu-law.(NUUO server limitation)

b. SN-IPC55/20EDN

    i. The streaming has been image broken under MJPEG.(Camera firmware issue)

    ii. The PTZ function cannot be used.(Camera firmware issue)

    iii. Some framerate and bitrate cannot be set due to Onvif restriction.(Camera firmware issue)

    iv. Some framerate and bitrate cannot be set due to Onvif restriction.(Camera firmware issue)

    v. [NAS]Audio only support G.711 mu-law.(NUUO server limitation)

46. Flir

a. FC-348-NTSC, FC-618-NTSC

    i. When bitrate setting higher than 1Mbps, the RTSP is disconnected.

    ii. Sometimes it is failed to change the encoding setting after camera connected for a long time. The setting at web client and onvif interface were not be changed.

    iii. Cannot get the I/O status by Onvif interface

    iv. Camera search function is disabled due to onvif command is timeout.

v. Auto detaction is disabled due to Onvif command is timeout.

47. VisionHitech

a. VPD202BM2Ti-IR

i. In triple mode, bitrate of 2nd stream cannot be reached to 500kbps. (Camera limitation issue)

ii. [NAS] Snapshot only support when 2nd stream format is MJPEG. (Camera limitation issue)

Bug Fixed:

[MainConsole]

1. [Brickcom] - Fixed the bug that it won't set dual streams' setting when multistream is disabled.

2. [Hikvision] - Fixed Hikvision video server for disconnected issue.

3. [Fine] - Fixed WB-H811 PTZ mode from step-by-step to continuous.

4. [ACTi] - Fixed the ADC2100 for patrol disabled issue

5. [Axis] - Fixed DO function logic issue when using normal open.

6. [Arecont] - Fixed Arecont Generic model for consuming 4 licenses issue.

[NVRMini2]

1. [Onvif] - Fixed the memory leak in the event handling.

2. [Onvif] – Fixed the resource leak issue. The leak may lead to login failure.

3. [Onvif] - Fixed the hang in NVR event page issue.

[NVRSolo]

1. [Onvif] - Fixed the memory leak in the event handling.

2. [Onvif] - Fixed the resource leak issue. The leak may lead to login failures.

3. [Onvif] - Fixed the hang in NVR event page issue.

[NVRTitan]

1. [Onvif] - Fixed the memory leak in the event handling.

2. [Arecont] – Fixed the disconnected dual stream issue after upgraded from DP 3.2 into DP 3.7

3. [Onvif] - Fixed the resource leak issue. The leak may lead to login failured.

[Crystal]

1. [Onvif] - Fixed the memory leak in the event handling.

2. [Arecont] - Fixed the disconnected dual stream issue after upgraded from DP 3.2 into DP 3.7

3. [Onvif] - Fixed the resource leak issue. The leak may lead to login failured.

Release Version v3.9.0 (2014/11/05)

Modules:

Device Pack v 3.9.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

Basler	BIP2-1600-25c-dn
Canon	VB-S30D , VB-S31D , VB-S800D , VB-S900F , VB-S905F , VB-S805D
D-Link	DCS-7110A3
Flir	FC-348S , FC-309, FC-313, FC-334, FC-334S, FC-324, FC-324S ,FC-363
Forenix	IPB-1080E , IPX-1080E, IPD-1080E, IPV-1080E, IPD-1080MF, IPV-1080F, IPD-1080KF, IPB-1080F, IPT-1080F, IPM-1080F, IPM-1080RF
GNS	GNS-A3263LE
LevelOne	SDK8
Netgear	HMNC500
Sactec	SNC-311FEIF , SNC-311FBIF , SNC-311RBIA , SNC-311RDIA, SNC-311RINA
Sony	SNC-XM631, SNC-EB632R , SNC-EB602R
VisionHitech	NVS202
Vitek	VTD-MVZN39
Zavio	P6211

FW upgrade:

    Brainchild   CAM-335 (FW: 0.0.40.169)

    D-Link   DCS-7110B1 (FW: 3.00.04)

    Fine   WB-H811 (FW: 1.0.44)

    Zavio   P6210 (FW: M2.1.5.11)

Multiple Stream Setting Supported:

    Sony   SNC-XM631, SNC-EB632R , SNC-EB602R

Notice:

1. Basler

    a. BIP2-1600-25c-DN

        i. The I/O number is "0" in onvif/onvif (Camera Firmware Issue)

        ii. There is only one stream profile in onvif/onvif (Camera firmware issue)

        iii. MPEG4 in onvif/onvif is not supported. (Camera firmware issue)

        iv. Motion is not supported. (Camera firmware issue)

        v. Audio is not supported but the software could show enable/disabe audio option (Camera firmware issue)

        vi. The list of camera Resolution could not be synchronized with camera's web. (Camera firmware issue)

        vii. Video disabled when FPS >= 2(Camera firmware issue)

        viii. The list of camera Framerate could not be synchronized with camera's web. (Camera firmware issue)

        ix. Http is not supported but software could show http option at protocol setting(NUUO software limitation)

        x. Video streaming Cannot be connected if RTSP port is changed (Camera firmware issue)

        xi. It Cannot be changed format from H.264 to MJPEG when quality value is bigger than 100 on NuClient (NuClient 2.1 ver. Known issue)

        xii. Sometimes NuClient shows error message after chaging the camera setting. (Camera performance limitation)

2. Brainchild

    a. CAM-335E

        i. Camera is unable to achieve maximum FPS when Main or 2nd stream with high bitrate. (Camera performance limitation)

      ii.   Camera with high resolution and bitrate would cause stream lag. (Camera performance limitation)

      iii.   After setting the camera parameters , user cannot get video parameters and connect to camera immediately. (Camera performance limitation)

      iv.   Motion detecton cannot be worked when the first stream format is MJPEG.(Camera issue)

      v.   When stream mode is set to Dual H264, The framerate of stream2 is limited to 20fps (Camera issue)

      vi.   Wrong quality/bitrate list would be showed on NuClient (NuClient 2.1 ver. Known issue)

3. Canon
   a. VB-S30D
      i. PTZ is disabled.
      ii. The video parameters of the camera cannot be configured with IP+.
   b. VB-S905F
      i. The range of video parameters are difference between camera web and onvif responsed.
   c. VB-S800D
      i. The range of video parameters are difference between camera web and onvif responsed.
4. D-link
   a. DCS-7110A3
      i. The list of resolution 176x144 cannot be synchronized with web (Camera firmware issue)
   b. DCS-7110B1
      i. The framerate list would not be synchronize with the resolution (Camera firmware issue)
5. Fine
   a. CDV-5VM501Z3
      i. PTZ could only support zoom and autofocus.
6. Flir
   a. FC-348-NTSC
      i. The Quality/Bitrate/Framerate range from web client cannot be synchronized to Onvif interface.
      ii. Both CGI/Onvif command response time are too long.
      iii. It takes too long to set the stream setting.

iv.   Cannot get the motion information by onvif interface (pull message or metadata).

v.   The rtsp connection is disabled with the high framerate setting

7.   Forenix

a.   IPB-1080E

i.   There is the noise in Audio.(Camera firmware issue)

8.   GNS

a.   A3263LE

i.   The video format Cannot be switched. (Camera issue)

ii.   It can be Supported at most 25 FPS in 1st stream. (Camera issue)

iii.   Camera is unable to achieve maximum FPS. (Camera issue)

iv.   It need more time for Camera to recover while changing video format and resolution. (Camera issue)

v.   Cannot delete preset point via RS485. (Camera issue)

9.   Netgear

a.   HMNC500

i.   When set FPS to 6~9, Camera would achieve maximum FPS.(Camera firmware issue)

ii.   Quality options for CBR mode is disabled. (Camera firmware issue)

iii.   Motion is disabled. (Camera firmware issue)

iv.   Search is disabled beacause the camera returned name is wrong. (Camera firmware issue)

10. VisionHitech

a.   NVS202

i.   It only support Snapshot when main stream is in MJPEG format. (Camera Limitation Issue)

ii.   Transfer camera to different network segment will lead upnp search failed until update the camera IP in 24 hours. (Camera Limitation Issue)

iii.   Bitrate setting cannot be set more than 2M bps when camera is 960H with H.264 format. (Camera Firmware Issue)

11. Zavio

a.   P6210

i.   Stream 2 setting would be failed when resolution of Profile3 is 1920x1080 and 1280x720. (Camera Firmware Issue)

ii.   The camera with higher quality and MJPEG format is unable to achieve 30 fps. (Camera Firmware Issue)

12. Santec
   a. SNC-311FEIF
      i. The format setting would be failed when changing from MJPEG to H.264. (Camera firmware issue)
      ii. The network multicast setting must be checked when changing the HTTP port. (Camera performance limitation)
      iii. UPNP is not supported until camera return the right information. (Camera firmware issue)
      iv. The stream config of any Code-Stream Type must be the same when using event function. (Camera performance limitation)
      v. The permitted parameter list on camera would be changed by other parameters, the parameter dialog cannot be synchornized with camera. (Camera firmware issue)
      vi. Reaction would be slow when motion dectection is triggered. (Camera performance limitation)
      vii. Playback cannot be exported with mov format. (Camera performance limitation)
   b. SNC-311RBIA
      i. The format setting would be failed when it changed from MJPEG to H.264. (Camera firmware issue)
      ii. The network multicast setting must be checked when changing the HTTP port. (Camera performance limitation)
      iii. UPNP not support until camera return the right information. (Camera firmware issue)
      iv. The stream config of any Code-Stream Type must be the same when using event function. (Camera performance limitation)
      v. The permitted parameter list on camera will be changed by other parameters, our parameter dialog can't synchornize with camera. (Camera firmware issue)
      vi. Slowl reaction when motion dectection is triggered. (Camera performance limitation)

Bug Fixed:

[MainConsole]
   1. [Sunell] – Fixed the disconnetion isses. Mainconsole without LAN connection would hang on and windows will display a message that Mainconsole is not responding.
   2. [QVS] – Fixed the crash issue when connecting under multi-stream.

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3. [Onvif] - Fixed some Onvif/Onvif camera which only support PullPoint method will fail to trigger MD/IO due to lack of WSA header.

[NVRMini2]
1. [Sony] - Fixed Sony SNC-XM632 randomly disconnection issues.
2. [Onvif] - Fixed some Onvif/Onvif camera which only support PullPoint method would fail to trigger MD/IO due to lack of WSA header

[NVRSolo]
1. [Sony] - Fixed Sony SNC-XM632 randomly disconnection issues.
2. [Onvif] - Fixed some Onvif/Onvif camera which only support PullPoint method would fail to trigger MD/IO due to lack of WSA header

[NVRTitan]
1. [Sony] - Fixed Sony SNC-XM632 randomly disconnection issues.
2. [Onvif] - Fix some Onvif/Onvif camera which only support PullPoint method would fail to trigger MD/IO due to lack of WSA header

[Crystal]
1. [Sony] - Fixed Sony SNC-XM632 randomly disconnection issues.
2. [Onvif] - Fix some Onvif/Onvif camera which only support PullPoint method would fail to trigger MD/IO due to lack of WSA header

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Release Version v3.8.0 (2014/10/06)

Modules:

    Device Pack   v 3.8.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

Axis	Q1614, Q1615 , P3363
D-Link	DCS-5222LB2, DCS-2230L, DCS-2210L, DCS-2103 B1
Eneo	PXD-2030PTZ1080
Fine	SP-HP2330C-IP, SP-HP2336Q-IP, SP-HP2030Q-IP
Forenix	ISPDIII-3010
Guardeon	Generic
Innotech	EXCA100IP2, EXCA215IP2, EXCA336IP2, EXCA234IP2,EXCA234IP2WDR
Jestor	JV-OSD0200-X20
MIWI – URMET	HD-PRO370W , HD-PRO370WOUT , HD-PRO350DNW , HD-PRO350DNW/H HD-PRO350DNW/IR , HD-PRO350DNW/IR/H, HD-PRO351DNW/H HD-PRO351DNW/IR/H , HD-PRO750DNW , HD-PRO750DNW/IR HD-PRO352DNW,HD-PRO352DNW/IR , HD-PRO410DNW/H HD-PRO410DNW/H-POE, HD-PRO810DNW/H , HD-PRO810DNW/H/M HD-PRO310DNW,HD-PRO610DNW ,HD-PRO710DNW, HD-PRO332DNW HD-PRO392DNW/V ,HD-PRO692DNW/V/IR, HD-PRO302DN, HD-PRO890 HD-PRO890/OUT , HD-PRO518DN
Netgear	HMNC100
Secubest	RIN-0012N, RIN-0012P , FBN-D101N , FBN-D101P , PSN-1012N ,

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	PSN-1012P , PSSN-1012N , PSSN-1012P ,
QVS	Generic
Vision Hitech	M2TiA, VISION VN7XSM2Ti-IR,VD10M2, VN10M2 ,
	VISION VDA101SM2Ti,VN6XSM2Ti-IR, VISION VPD101PM2Ti
Viakom	AVX931
Vista	VK2-1080BIR3V9F, VK2-1080XVRDPTZ
Vitek	VTC-IR62NZ

FW upgrade:

D-Link	DCS-5222LB1 (FW: 2.01.05)
Everfocus	EHN3260
Fine	TCP-HDVB800Z3(FW: VC 2.0.22.6), CDV-3VM800Z3(FW: VC 2.0.22.6)
QVS	Generic(FW: v1.8.0601.1001.110.0.36.1.0)
Vitek	VT-PTZ220NP(FW: v4.25-173-ds), VTC-IR402(FW: v4.27-033)
VisionHitech	M2TiA(FW:VISION_2014.09.10_v.1.1.5.19)
Zavio	F3215(FW:M2.1.6.05C016)

Multiple Stream Setting Supported:

Sony	SNC-ER580, SNC-CH160, SNC-DH110, SNC-DH220

Notice:

13. Netgear
    a. HMNC100
        i. When setting FPS to 6~9, Camera will achieve maximum FPS. (Camera firmware issue)
        ii. Bitrate setting is not work. (Camera firmware issue)
        iii. Camera UPNP search failure. (Camera firmware issue)
        iv. No quality options in VBR mode. (Camera firmware issue)
        v. Motion are not supported. (Camera firmware issue)
14. Vitek
    a. VTC-IR62NZ
        i. Disable talk function.(Camera firmware issue)
        ii. Only support rtsp port 554.(Camera firmware issue)

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iii.   The function that send snapshot to FTP is only supported by MJPEG format. (Camera firmware issue)

iv.   The actual framerate may not reach the setting value under high resolution and quality configuration. (Camera performance limitation)

v.   UPnP search are not supported.(Camera firmware issue)

b.   VTC-IR402

i.   The function that send snapshot to FTP is only supported by MJPEG format.(Camera firmware issue)

ii.   Only support rtsp port 554.(Camera firmware issue)

iii.   The actual framerate may not reach the setting value under high resolution and quality configuration. (Camera performance limitation)

iv.   Brightness, contrast and saturation are not supported.(Camera firmware issue)

v.   UPnP search are not supported.(Camera firmware issue)

c.   VT-PTZ220NP

i.   Talk function is invalid.(Camera firmware issue)

ii.   Only support rtsp port 554.(Camera firmware issue)

iii.   The function that send snapshot to FTP is only supported by MJPEG format. (Camera firmware issue)

iv.   Preset, preset name and ptz speed can't synchronize to camera web.

v.   UPnP search are not supported.(Camera firmware issue)

vi.   Only integrate NTSC mode.

vii.   Audio will be discontinuous under fps 1.(Camera performance issue)

viii.   The actual framerate may not reach the setting value under high resolution and quality configuration. (Camera performance issue)

ix.   Brightness, contrast and saturation are not supported. (Camera firmware issue)

15.   Vista

a.   VK2-1080BIR3V9F

i.   Cannot setup the resolution to 1280x1024 and 1280x720 of Stream2 when the resolution of Stream 1 is 1920x1080. (Camera firmware issue)

ii.   Cannot   setup the resolution to 1920x1080 and 1280x720 of Stream2 when the resolution of Stream 1 is 1280x1024. (Camera firmware issue)

iii.   Cannot setup the resolution to 1920x1080 and 1280x1024 of Stream2 when the resolution of Stream 1 is 1280x720. (Camera firmware issue)

iv.   Cannot setup the resolution to "Same as Stream 1" when the resolution of Stream 1 is equal to Stream 2. (Camera firmware issue)

v.   Camera is unable to achieve maximum 25 FPS. (Camera firmware issue)

16. Axis

    a. Q1614 and Q1615

        i. Max frame rate show 60 regardless of Axis Capture mode. (Camera firmware issue)

17. QVS

    a. Generic

        i. Audio in with Raw PCM codec are not supported.(Camera firmware issue)

        ii. Home function are not supported. (Camera firmware issue)

        iii. The streaming has broken under MJPEG format.(Camera firmware issue)

        iv. Due to Onvif restriction, some frame rate and bit rates cannot be set.(Camera performance limitation)

18. Innotech

    a. EXCA100IP2

        i. Due to Onvif restriction, some frame rate and bit rates cannot be set.(Camera firmware issue)

        ii. motion event is not supported under MJPEG format.(Camera firmware issue)

19. Dlink

    a. DCS-2230L

        i. The talk function is invalid.(Camera firmware issue)

20. Guardeon

    a. Generic

        i. Camera will be rebooted (60 seconds) after parameter configuration. (Camera performance limitation)

        ii. 16 KHz sampling rate audio in are not supported.

        iii. Camera search is not supported. (Camera firmware issue)

        iv. The camera setting will be failed if choose the value "BOTH".(Camera firmware issue)

        v. Camera cannot be connected when 2nd resolution set to 854*480. (Camera firmware issue)

        vi. The default value of brightness should be 50. (Camera firmware issue)

21. Eneo

    a. PXD-2030PTZ1080

        i. High quality caused the fps lower.(Camera limitation issue)

22. Forenix

    a. ISPDIII-3010

        i. Fps and resolution list is not synchronized with the camera web due to onvif protocol mechanism. (Camera limitation issue)

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  ii. Talk(audio out) are not supported due to there is no implementation mechanism from sdk document. (Camera issue)

23. VisionHitech

  a. VN7XSM2Ti-IR

   i. Snapshot are not supported due to camera limitation with 2nd stream format set to MJPEG. (Camera limitation issue)

   ii. Brightness setting is not synchronized with camera web. (Camera limitation issue)

  b. M2TiA (Cover VD102SM2Ti-IR, VN200SM2Ti-IR models)

   i. Snapshot are not supported due to camera limitation with 2nd stream format set to MJPEG. (Camera limitation issue)

   ii. Brightness setting is not synchronized with camera web. (Camera limitation issue)

   iii. When resolution of main stream is VGA, resolution of 2nd stream is not synchronized with camera web. (Camera firmware issue)

24. Zavio

  a. F3215

   i. Resolution list is not synchronized with camera web due to resolution setting limitation. (Camera limitation issue)

25. EverFocus

  a. EHN3260

   i. CBR mode is not supported.(Camera firmware limitation)

   ii. It will lose parameters of stream2 and stream3 if disable stream2 and stream3 on camera web.(Camera firmware limitation)

Bug Fixed:

[MainConsole]

1. [ONVIF] - Fixed the bug that the motion issue of ONVIF models in combining messages in the parsing motion message process.

2. [ACTi] – Fixed the crash issue.

3. [RIVA] – Fixed the bug that the RIVA 3502-HD disconnection issue.

4. [Fine] – Fixed the bug that the model for FINE TCP-VM559 , CDB-5VM551 , TCP-MH859 , CDV-P360-5 disconnection issue.

5. [D-link]- Fixed the bug that the DCS-2132LB1 unable talk option. (But sometimes camera talk is not worked casued by firmware issue)

6. [AXIS] – Fixed the bug that AXIS 206 disconnection issue.

[NVRMini2]

1. [VisionHitech] – Fixed the bug that the NVS102 Preset Go function.
2. [Sunell] - Fixed the bug that the motion issues of Sunell generic models in motion message tag names are no matched for some camera firmware versions.
3. [Sunell] - Fixed the bug that motion issues of Sunell generic models in the multiple network interface controller.
4. [AXIS] –Fixed the bug that AXIS 206 disconnection issue.

[NVRSolo]
1. [VisionHitech] - Fixed the bug that the NVS102 Preset Go function.
2. [Sunell] - Fixed the bug that the motion issues of Sunell generic models in motion message tag names are no matched for some camera firmware versions.
3. [Sunell] - Fixed the bug that motion issues of Sunell generic models in the multiple network interface controller.
4. [AXIS] –Fixed the bug that AXIS 206 disconnection issue.

[NVRTitan]
1. [Sunell] - Fixed the bug that the motion issues of Sunell generic models in motion message tag names are no matched for some camera firmware versions.
2. [Sunell] - Fixed the bug that motion issues of Sunell generic models in the multiple network interface controller.
3. [AXIS] –Fixed the bug that AXIS 206 disconnection issue.

[Crystal]
1. [Sunell] - Fixed the bug that the motion issues of Sunell generic models in motion message tag names are no matched for some camera firmware versions.
2. [Sunell] - Fixed the bug that motion issues of Sunell generic models in the multiple network interface controller.
3. [AXIS] –Fixed the bug that AXIS 206 disconnection issue.

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Release Version v3.7.0 (2014/9/09)

Modules:

    Device Pack   v 3.7.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

ACTi	E97
Arecont Vision	AV12186DN
Axis	M1025, P3384
Bosch	VIP X16 XF E
Brickcom	PH-100ah, VS-04A v2
D-Link	DCS-2310LB1, DCS-6116, DCS-6915B1
Fine	ACM-V3002, ACM-R3002, ACM-PT500, CDV-3F828, CDV-5VM501Z3, TCP-VM559Z3
LG	LND7210, LND7210R, LNV7210, LNV7210R, LNU7210R
Lilin	IPD2322, LD2222

FW upgrade:

D-Link	DCS-3010(FW: v1.12.07)
Fine	EP-Q2036HW-IP(FW: V1.0.46)
Sony	SNC-CH160 (FW 1.82), SNC-DH110 (FW 1.82), SNC-DH220 (FW1.82), SNC-RH124 (FW 1.84)
Vitek	VT-20VN-M(FW: v4.24-B3), VTC-IR402(FW: v4.24-B3)

Zavio   B8210(FW: M201.0_M2.8.8)

Multiple Stream Setting Supported:

Sony   SNC-ER580, SNC-CH160, SNC-DH110, SNC-DH220

Notice:

1. ACTi
    a. E97
        i.   The actual framerate may not reach the setting value under high resolution and quality configuration. (Camera performance limitation)
        ii. The 2nd stream's actual bitrate is higher than settings.(Camera firmware issue)
        iii. The function "send mail by event" might fail to attach snapshot under high resolution (NUUO server limitation)
        iv. The motion signal would not stop when disabling motion event if the motion has been triggered. (NUUO server limitation)

2. Bosch (Mainconsole IP+)
    a. VIP X16 XF E
        i.   Only support G.711 audio codec. (Camera performance limitation)
        ii. Snapshot resolution is not correspond to existing profile. (Camera firmware issue)
        iii. Multi stream setting might fail due to the limitation of inter-streaming dependency. (NUUO Server limitation)

3. BrainChild
    a. CAM-335E
        i.   Camera is unable to achieve maximum FPS under main or 2nd stream with high bitrate. (Camera performance limitation)
        ii. High resolution and bitrate would cause stream latency. (Camera performance limitation)
        iii. After setting camera parameters , NUUO server cannot get video parameters and connect camera immediately (Camera performance limitation)
        iv. If setting video and audio at the same time, the changed configuration wouldn't apply to stream (Camera firmware issue)
        v.   MJPEG quality value on camera web is different from the value NUUO server display (Camera firmware issue)
        vi. Motion detection does not work when main stream's format is MJPEG (Camera Issue)

4. Dlink
   a. DCS-6116
      i. Some resolution are not synchronized with camera web. (Camera firmware issue)
      ii. Cannot setup from 13fps to 25fps. (Camera firmware issue)
      iii. Cannot setup resolution under 720x480. (Camera firmware issue)
   b. DCS-3010
      i. Stream would disconnect and motion would not be triggered due to camera limited performance. (Camera firmware issue)
   c. DCS-2310LB1
      i. Control mode of resolution, framerate, bitrate cannot be changed under H.264 format. (Camera firmware issue).
      ii. The name of this camera in search window will show as DCS-2310L. (Camera firmware issue)
5. Fine
   a. ACM-PT500
      i. Camera is unable to achieve maximum FPS. (Camera performance limitation)
   b. CDV-3F828
      i. Camera is unable to achieve maximum FPS. (Camera performance limitation)
   c. ACM-V3002
      i. Both camera web and NUUO server have audio noise issue. (Camera firmware issue)
6. Lilin
   a. IPD2322
      i. Due to Onvif restriction, some frame rate and bit rates cannot be set. (ONVIF limitation)
      ii. Due to Onvif restriction, dependency between framerate and bitrate cannot be showed. (ONVIF limitation)
      iii. Audio G.711 mu-law in with 16/32/44.1 KHz sampling rate is not supported. (NUUO server limitation)
      iv. Camera may respond and show invalid value from current setting. (Camera firmware issue)
   b. LD2222
      i. Due to Onvif restriction, some frame rate and bit rates cannot be set. (ONVIF limitation)
      ii. Due to Onvif restriction, dependency between framerate and bitrate cannot be showed. (ONVIF limitation)
      iii. Audio G.711 mu-law in with 16/32/44.1 KHz sampling rate is not supported. (NUUO server limitation)

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7. Vitek
    a. VT-20VM-M
        i.   The function that send snapshot to FTP is only supported by MJPEG format. (Camera firmware issue)
        ii. Only support rtsp port 554.(Camera firmware issue)
        iii. The actual framerate may not reach the setting value under high resolution and quality configuration.(Camera performance limitation)
        iv. Brightness, contrast and saturation are not supported.(Camera firmware issue)
        v.   UPnP search are not supported.(Camera firmware issue)
    b. VTC-IR402
        i.   The function that send snapshot to FTP is only supported by MJPEG format. (Camera firmware issue)
        ii. Only support rtsp port 554.(Camera firmware issue)
        iii. The actual framerate may not reach the setting value under high resolution and quality configuration.(Camera performance limitation)
        iv. Brightness, contrast and saturation are not supported. (Camera firmware issue)
        v.   The talk function is invalid.(Camera firmware issue)
        vi. UPnP search are not supported.(Camera firmware issue)
8. Zavio
    a. B8210
        i.   Resolution 1920x1080 and 1280x720 cannot be set because 2nd stream (Low) resolution list is not synchronized with camera web. (Camera performance limitation)
        ii. Multi-stream setting for 2nd stream is limited by 3rd stream's video parameter. If resolution for 3rd stream is higher than 640x480, 2nd stream video parameter setting would be failed. (Camera firmware issue)
9. Brickcom
    a. ph-100Ah
        i.   Audio function is not supported.
        ii. Resolution and bitrate list is not synchronized with the camera webpage.
        iii. The video does not play smoothly when the frame rate set to 1.
    b. VS-04A
        i.   PTZ doesn't work
        ii. Audio doesn't work
        iii. Resolution and bitrate list is not synchronized with the camera web.
10. Sony
    a. SNC-RH124

i.   When camera's format is MJPEG and resolution is larger than 640x480, the connection is unstable.

ii.   The camera is unable to achieve 30fps with MJPEG format.

iii.   Camera must reconnect when change the audio codec in web site.

b.   SNC-CH160

i.   Camera is unable to achieve 30 fps with resolution 1280x1024.

c.   SNC-DH110

i.   It would take 30~50 seconds to reconnect after changing video format.

Bug Fixed the bug thated:

[MainConsole]

1.   [Sunell] – Fixed the bug that the motion issue of Sunell generic models in the multiple network interface controller.

2.   [ONVIF] - Fixed the bug that getting video parameter fail when Profile do not contain any VideoEncoderConfiguration

3.   [Hikvision Generic] - Disable the option of "Enable Talk" when the audio is turned off

4.   [Zavio F3210/F1100] - Fixed the bug that camera would crash when connecting

5.   [Hikvision DS-2CD7253F-EIZ] - Fixed the bug that camera's zoom and focus function doesn't work.

6.   [Zavio] - Fixed camera unstable connection.

7.   [Guardeon D13000V] - Fixed the crash issue

[NVRMini2]

1.   [Sunell] - Fixed the bug that camera would randomly crash when re-connecting.

2.   [ONVIF] - Disable the options of "Enable dual stream" of ONVIF/ONVIF models in the Titan NVR and the Crystal.

3.   [IQeye] - Fixed the bug that motion detection does not work.

4.   [ONVIF/ONVIF] - Fixed the bug that getting video parameter fail when Profile do not contain any VideoEncoderConfiguration.

5.   [LILIN IPD2322] - Fixed the bug that the minimum profile cannot be displayed.

6.   [Hikvision DS-2CD7253F-EIZ] - Fixed the bug that zoom and focus function does not work.

7.   [Santec SNC-6323IRH] - Fixed the bug that the minimum profile cannot be displayed in auto mode.

8.   [CNB] – Fixed disconnection issues.

[NVRSolo]

1.   [Sunell] - Fixed the bug that the camera would randomly crash when re-connecting.

2.   [ONVIF] - Disable the options of "Enable dual stream" of ONVIF/ONVIF models in the Titan NVR and the Crystal.

3. [IQeye] - Fixed the bug that motion detection does not work.
4. [ONVIF/ONVIF] - Fixed the bug that get video parameter fail when Profile do not contain any VideoEncoderConfiguration.
5. [LILIN IPD2322] - Fixed the bug that the minimum profile cannot be displayed.
6. [Hikvision DS-2CD7253F-EIZ] - Fixed the bug that zoom and focus function does not work.
7. [Santec SNC-6323IRH] - Fixed the bug that the minimum profile cannot be displayed in auto mode.
8. [CNB] – Fixed disconnection issues.

[NVRTitan]

1. [Sunell] - Fixed the bug that the camera would randomly crash when re-connecting.
2. [ONVIF] - Disable the options of "Enable dual stream" of ONVIF/ONVIF models in the Titan NVR and the Crystal.
3. [IQeye] - Fixed the bug that motion detection does not work.
4. [ONVIF/ONVIF] - Fixed the bug that get video parameter fail when Profile do not contain any VideoEncoderConfiguration.
5. [LILIN IPD2322] - Fixed the bug that the minimum profile cannot be displayed.
6. [Hikvision DS-2CD7253F-EIZ] - Fixed the bug that zoom and focus function does not work.
7. [Santec SNC-6323IRH] - Fixed the bug that the minimum profile cannot be displayed in auto mode.
8. [CNB] – Fixed disconnection issues.

[Crystal]

1. [Sunell] - Fixed the bug that the camera would randomly crash when re-connecting.
2. [ONVIF] - Disable the options of "Enable dual stream" of ONVIF/ONVIF models in the Titan NVR and the Crystal.
3. [IQeye] - Fixed the bug that motion detection does not work.
4. [ONVIF/ONVIF] - Fixed the bug that get video parameter fail when Profile do not contain any VideoEncoderConfiguration.
5. [LILIN IPD2322] - Fixed the bug that the minimum profile cannot be displayed.
6. [Hikvision DS-2CD7253F-EIZ] - Fixed the bug that zoom and focus function does not work.
7. [Santec SNC-6323IRH] - Fixed the bug that the minimum profile cannot be displayed in auto mode.
8. [CNB] – Fixed disconnection issues.

Release Version v3.6.0 (2014/8/05)

Modules:

Device Pack	v 3.6.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

Arecont	AV5245DN, AV20175DN
Axis	M3025, M3027
Bosch	Generic, NBN-40012, NDN-40012, NIN-40012, NUC-50022, NUC-51022, NDN-50022, NDI-50022, NBN-50022
Dlink	DCS-6517,DCS-7517,DCS-6112,DCS-6113,
Dlink-CN	DCS-H_Series, DCS-V_Series
Everfocus	ETN2260, EZN3361, EHN3361, EAN3300, EDN3340, EPN4220P, EPN4230
Fine	CDV-MV1080F-H, CDB-MD602
Grundig	GCI-G1536F
Sony	SNC-EB632R
Trendnet	TV-IP262P, TV-IP262PI, TV-IP310PI, TV-IP311PI, TV-IP572P, TV-IP572PI, TV-IP572W, TV-IP572WI, TV-IP672P, TV-IP672PI, TV-IP672W, TV-IP672WI
Vivotek	FD8168, SD8364E, IP8165HP, IP8155HP

FW upgrade:

D-Link	DCS-7010L
Everfocus	EZN3340
Fine	CDV-5VM501

Forenix	IPB-1080BM, IPB-1080BL, IPV-1080CD, IPD-1080CD, IPX-1080DN
Sony	SNC-ER580 (FW 1.82.01)
Zavio	D5210

Notice:

1. Bosch

   a. Generic

      i. H.264 only support IP mode of GOP structure. (Camera→Encoder Profile→Profile N→ Expert Settings→GOP structure→IP) (NUUO Server limitation)

      ii. Only support G.711 audio codec. (Camera performance limitation)

      iii. After changing MJPEG resolution on web and getting camera setting on NUUO, resolution will return to previous setting. (Camera firmware issue)

      iv. Snapshot resolution is not correspond to existing profile. (Camera firmware issue)

      v. Can't set quality value of 3rd stream. (Camera firmware issue)

      vi. Some resolution can't set framerate (NIN-733 Stream2 only support fps 7.5 under 1280x720)(Camera performance limitation)

      vii. MJPEG framerate can't synchronize to web setting. (Camera performance limitation)

      viii. Can't set framerate 1 under base frame rate 50/60 ips mode. (Camera performance limitation)

      ix. NUUO does not test PTZ function.

2. Zavio

   a. D5210

      i. Due to camera restriction, some video setting will fail. This situation will be same as camera web. (Camera performance limitation)

3. Trandnet

   a. TV-IP262P

      i. FPS cannot be set to over 15 fps by cgi when it is 720P, but it can be set on web.(Camera Firmware Issue)

      ii. Sometimes setting by server is different with camera web. In fact, it already has been set successfully.(Camera Firmware Issue)

   b. TV-IP310PI

      i. Second stream is unable to change bitrate. (Camera firmware issue)

      ii. Frame rate list will be out of range when the resolution is 2048x1536. (Camera fimware issue)

      iii. Second stream is unable to achieve maximun FPS when resolution of main stream is 2048x1536. (Camera performance limitation)

    c.   TV-IP672W

        i.   Camera response slowly due to digest authentication.(Camera Performance Issue)

        ii.   Image setting only can set with specific value. Otherwise, it will set fail. (Server Limitation)

          Ex. Specific values:

          0,5,10,15,20,25,30,35,40,45,50,55,60,65,70,75,80,85,90,95,100.

4.   EverFocus

    a.   ETN2260

        i.   Not support CBR mode.(Camera firmware issue)

        ii.   The quality value can't be sync with camera web.(Camera firmware issue)

        iii.   Not support zoom and focus.(Camera firmware issue)

        iv.   The resolution of snapshot always be 640x480.(Camera firmware issue)

        v.   The quality value can't be setup to 0, and the quality value can't be setup to 10 under MJPEG.(Camera firmware issue)

        vi.   If there are duplicate name of preset point, the function of GoTo preset point and Clear All preset point will fail.(Camera firmware issue)

    b.   EZN3340

        i.   The parameters of the camera are not configurable with MPEG4 format.(Camera firmware issue)

        ii.   Not support CBR mode.(Camera firmware issue)

        iii.   Not support zoom and focus.(Camera firmware issue)

        iv.   It will lose parameters of stream2 and stream3 if you disable stream2 and stream3 on camera web.(Camera firmware issue)

5.   Fine

    a.   CDV-5VM501

        i.   Bit rate list is incorrect.   (Camera firmware issue)

        ii.   Resolution of video stream might not change when configuration is changed to 2048x1536. (Camera firmware issue)

        iii.   Camera is unable to achieve maximum FPS, when Quality set to the best. (Camera performance limitation)

        iv.   Palyback is not smooth.   (NUUO server limitation)

    b.   TCP-HDVB800-H

        i.   Camera is unable to achieve maximum FPS.(Camera performance limitation)

        ii.   Audio has noise.(Camera firmware issue)

6.   Sony

    a.   SNC-EB632R

        i.   PTZ only support zoom and focus.

Bug Fixed the bug thated:

Crystal:
1. [Sunell] – Fixed the bug that the issue that server sometimes can't receive DI and MD event.
2. [Zavio] - Fixed the bug that the frame dropping issue when using H264 high profile
3. [Vista VK2-2MPVRD] - Fixed the bug that connection issue
4. [Arecont] – Fixed the bug that the bug of Arecone cameras can't not load original video parameter value after upgrade DevicePack version from 3.1

Titan NVR:
1. [Sunell] – Fixed the bug that the issue that server sometimes can't receive DI and MD event.
2. [Zavio] - Fixed the bug that the frame dropping issue when using H264 high profile
3. [Vista VK2-2MPVRD] - Fixed the bug that connection issue
4. [Arecont] – Fixed the bug that the bug of Arecone cameras can't not load original video parameter value after upgrade DevicePack version from 3.1

Mainconsole:
1. [Onvif] - Fixed the bug that the issue that Mainconsole will crash after operating preset.
2. [Onvif] - Fixed the bug that the issue that Mainconsole will crash after operating preset functions.
3. [Sunell] – Fixed the bug that the issue that Mainconsole sometimes can't receive DI and MD event.
4. [Zavio] - Fixed the bug that the frame dropping issue when using H264 high profile
5. [LG] – Fixed the bug that that Version 5.0.22 Crash all the time

NVRmini 2:
1. [Sunell] – Fixed the bug that the issue that server sometimes can't receive DI and MD event.
2. [Zavio] - Fixed the bug that the frame dropping issue when using H264 high profile
3. [Vista VK2-2MPVRD] - Fixed the bug that connection issue
4. [Arecont] – Fixed the bug that the bug of Arecone cameras can't not load original video parameter value after upgrade DevicePack version from 3.1

NVRsolo

1. [Sunell] – Fixed the bug that the issue that server sometimes can't receive DI and MD event.
2. [Zavio] - Fixed the bug that the frame dropping issue when using H264 high profile
3. [Vista VK2-2MPVRD] - Fixed the bug that connection issue
4. [Arecont] – Fixed the bug that the bug of Arecone cameras can't not load original video parameter value after upgrade DevicePack version from 3.1

Release Version v3.5.0 (2014/6/30)

Modules:

Device Pack   v 3.5.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

3S	N5013, N9018
ACTi	B53, B67, B94, I94
Arecont	AV10255PMTIR, AV10256PMTIR, AV40185
Bosch	NBN-498, NDN-498, NBC-455, NDC-455, NTI-40012, NTI-50022
Dahua	HFW5200, SD6A230
Dlink	DCS-935L
Dlink-CN	DCS-H30-51D/S, DCS-H41-11D/SI, DCS-H41-11D/SO, DCS-H42-21D/SA DCS-H42-21D/SM, DCS-H70-21D/SA1, DCS-H70-21D/SM1
Everfocus	EHN3340, EPN4220
Fine	CDB-HFD728, CDB-HFD828, CDV-3VM800Z3, CDV-MFB2000D, SP-HP2020C-IP, SP-HP2320C-IP, TCP-BF728IR, TCP-BF828IR, TCP-HDVB800Z3
Forenix	FBS-1300BX, FBS-1300ID, FBS-1300IDR, FBS-1300VD, FBS-1300VDR, FBS-1300MID, FBS-1300MVD, FBS-1300BL
IP Power	NCOA22F, NCOA32FD, NCOA52F, NDOA22F-W, NDOA32FD-W, NIAA202F NIDA212F-W, NIDA312FD-W, NIDA512F-W, NIPA2H22-C, NIPA2H22-W NIRA222F, NIRA232F, NIRA332FD, NITA212F, NITA312FD
Samsung	SNO-6011R

| **Vivotek** | FD8154 |

FW upgrade:

3S	N3072
Arecont	AV12366DN
Everfocus	EAN3300, EDN3340, EHN3340, EPN4220
Fine	CDV-3VM501,TCP-MH802, TCP-IRH5030C, CDV-P360, TCP-VM501, SP-HP2020Q-IP, TCP-IRH5040C
Vitek	VTC-IR401
Vivotek	FD8363

New Feature:

1. Support Onvif DI/DO/Motion Detection notification via pull point subscription, audio output(talk)
2. Support multiple stream on Hikvision Generic

Notice:

7. 3SVision:
    a. N9018
        ii.   Audio choppy with G.726/32.(Camera firmware issue)
        iii.   The image of snapshot to FTP is from MJPEG stream. (camera firmware issue)
8. Bosch:
    a. NTI-40012, NTI-50022
        i.   H.264 only support IP mode of Bosch GOP structure. (NUUO Server limitation)
        ii.   Only support G.711 audio codec. (Camera performance limitation)
        iii.   After changing MJPEG resolution on web and getting camera setting on NUUO, resolution will return to previous setting. (Camera firmware issue)
        iv.   Snapshot resolution is not correspond to existing profile. (Camera firmware issue)
    b. NBN-498, NBC-455
        i.   H.264 only support IP mode of Bosch GOP structure. (NUUO Server limitation)
        ii.   Only support G.711 audio codec. (Camera performance limitation)
        iii.   It can't set up 3rd stream quality value. (Camera firmware issue)
9. IPPower
    a. NCOA52F
        i.   Camera with high resolution and quality is unable to achieve max fps. (Camera performance limitation)

       ii.   The range of bitrate isn't synchronized with the one on camera's web due to Onvif restriction. (Camera performance limitation)

      iii.   The list of framerate isn't synchronized with the one on camera's web due to Onvif restriction. (Camera performance limitation)

      iv.   Don't support autodetect and search.   (Camera firmware limitation)

10.   ACTi

    a.   B57, B67, B94, I67

      i.   The camera with highest quality and resolution is unable to achieve 30 fps and audio stutter.(Camera performance limitation)

11. Everfocus

    a.   EPN4220

      i.   The Audio-In status can't synchronize to web client. (ONVIF limitation)

      ii.   Cannot change the rate control mode. (ONVIF limitation)

      iii.   Cannot get snapshot by CGI(404). (Camera firmware issue)

    b.   EHN3340

      i.   Onvif test tool get "No MPEG4 support" but actually it supports. (Camera firmware issue)

      ii.   The Audio-In status can't synchronize to web client. (ONVIF limitation)

      iii.   Cannot change the rate control mode. (ONVIF limitation)

      iv.   Cannot get snapshot by CGI(404). (Camera firmware issue)

      v.   The brightness only change when the value is 50 (Camera firmware issue)

12. FINE

    a.   TCP-HDVB800Z3

      i.   The info. of stream profile display failure.

    b.   CDV-MFB2000D

      i.   Camera is unable to achieve maximum FPS. (Camera performance limitation)

      ii.   The info. of stream profile display failure. (NUUO server limitation)

    c.   TCP-MH802

      i.   Framerate may display incorrectly with MJPEG format. (Canera firmware issue)

      ii.   Camera is unable to achieve maximum FPS. (Camera performance limitation)

13. Vitek

    a.   VTC-IR401

      i.   Disable talk function.(Camera firmware issue)

      ii.   The camera with highest quality and resolution is unable to achieve 30 fps.(Camera performance limitation)

      iii.   Sometimes UPNP search failed.(Camera firmware issue)

      iv.   Motion detection may not trigger when closing audio function(Camera firmware issue)

14. Arecont
   a. AV10255PMTIR, AV12366DN
      i. Camera is unable to achieve maximum FPS. (camera performance limitation)
15. Dahua
   a. IPC-HFW5200
      i. Sometimes parameter dialog will fail to get codec parameter with high bitrate. (Camera performance limitation)
      ii. The configuration of parameter on camera will be changed by other parameter, our parameter dialog can't synchronize with camera. (Camera firmware issue)
      iii. Slow reaction when motion detection is triggered. (Camera performance limitation)
      iv. Polling the DI/Motion status will make audio stutter. (Camera performance limitation)
   b. SD6A230
      i. The permitted parameter list on camera will be changed by other parameters, our parameter dialog can't synchronize with camera. (Camera firmware issue)
      ii. The camera can't be searched by UPnP tools. (Camera firmware issue)
      iii. Slow reaction when motion detection is triggered. (Camera performance limitation)
      iv. Big audio noise with PCM. (Camera firmware issue)
      v. CGI response "support flip/mirror", but actually not. (Camera firmware issue)
      vi. Polling the DI/Motion status will make audio stutter. (Camera performance limitation)

Bug Fixed the bug thated:

Crystal:
5. [Axis] - Fixed the bug that high bitrate when P7214 reset.
6. [Fine 5MP] - Fixed the bug that Camera parameters not synchronize with web.
7. [ACTi] - Fixed the bug that ACTi ACM3701 that won't seem to go to the full resolution.

Titan NVR:
5. [Axis] - Fixed the bug that high bitrate when P7214 reset.
6. [Fine 5MP] - Fixed the bug that Camera parameters not synchronize with web.
7. [ACTi] - Fixed the bug that ACTi ACM3701 that won't seem to go to the full resolution.

Mainconsole:
6. [DLink]
   i. Fixed the bug thated the issue that DCS-6513 cannot stop auto pan.
7. [Messoa]
   i. Fixed the bug thated the issue that NCR870 and NDF820 doesn't enable multiple streams setting.
8. [HDPRO]

        i.   Fixed the bug thated the issue that HD-IC221STH211P doesn't enable multiple streams setting.

9. [MegaIP]

        i.   Fixed the bug thated the issue that NCD-2003PR doesn't enable multiple streams setting.

NVRmini 2:

1. [Axis] - Fixed the bug that high bitrate when P7214 reset.
2. [Fine 5MP] - Fixed the bug that Camera parameters not synchronize with web.
3. [ACTi] - Fixed the bug that ACTi ACM3701 that won't seem to go to the full resolution.

NVRsolo

5. [Axis] - Fixed the bug that high bitrate when P7214 reset.
6. [Fine 5MP] - Fixed the bug that Camera parameters not synchronize with web.
7. [ACTi] - Fixed the bug that ACTi ACM3701 that won't seem to go to the full resolution.

Release Version v3.4.0 (2014/6/5)

Modules:

Device Pack v 3.4.0

Supported Systems:

Mainconsole v 4.1.12 and above*

NVRmini 2 v 1.7.1 and above**

NVRsolo v 1.1.1 and above**

Titan NVR v 1.6.2 and above

NUUO Crystal™ v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

ACTi	B97 and E95
AXIS	M1004-W
CNB	MPC1070PN (fisheye camera)
Dahua	HCVR5104H
Dlink	DCS-942LB1, DCS-6513
Dlink-CN	DCS-H50-21D/S
Everfocus	EDN2260
Fine	CDV-3VM800-H, TCP-2200AM-H, TCP-2700AM-W and TCP-HDVB800-H
Forenix	ISPD II-1312WD and ISPD II-3018WD
LG	LNP3020P and LNV7210R
Mobotix	Q25M-Secure(fisheye camera) and T25M-Secure(fisheye camera)
TriCorps	TCS-33B002-IRFH and TCS-36B002
Vista	VK2-1080BIR35V16e, VK2-1080BIR37e, VK2-1080VFD3V9F, VK2-1080VFDIR37e, VK2-1080VRD3V9, VK2-1080VRDIR35V16e and VK2-1080VRDIR37e
Vitek	VTD-13VN, VTD-20VN-M, VTD-MV20VRN and VT-13FN-M
Vivotek	MD8531H, SD8363E and SF8174 (SD8363E and SF8174 are PPTZ)

FW upgrade:

AXIS	M3007 (5.55.1.1)
Brickcom	30xN (3.2.2.8) and OSD-200A (gk20140422NSA)
Vivotek	VS8801 (VS8801-VVTK-0202a3.flash.pkg)

Multiple Stream Setting:

1. Support multiple stream setting function on ACTi E95, ACTi Generic, Mobotix Q25M-Secure, T25M-Secure and ONVIF 2.0 Profile S with test tool v12.06 (test model see http://www.nuuo.com//mktmaterials/NVS/ONVIF.pdf).

New Feature:

1. Arecont on DP v3.4.0 support bandwidth limitation function.
2. Vivotek on DP v3.4.0 support smart stream function* with Mainconsole, NVRmini 2, NVRsolo, and NUUO Crystal™ (v2.2).
   * Smart stream function support only if Vivotek camera supports this function.
3. Centrix Generic and Dynacolor Generic on DP v3.4.0 support NUUO Dewarp function.

Notice:

1. Brickcom:
   b. OSD-200A(20xP)
      iv. Digital input reaction is slow. (Camera performance limitation)
      v. Snapshot is supported when the codec is MJPEG. (Camera performance limitation)
   c. FB-300Np(30xN)
      i. The Motion Detection may trigger continuously when the frame rate is 1. (Camera firmware issue)
      ii. It will show error message when setup camera parameter to higher resolution. (NUUO Crystal™ limitation)
2. CNB:
   a. MPC1070PN
      i. Camera is unable to achieve maximum FPS. (Camera performance limitation)
      ii. Audio stutter with G.711. (Camera firmware issue)
      iii. MJPEG bitrate setting is tied to FPS setting and will change base on any FPS changes. (Camera performance limitation)
      iv. 2nd stream and 3rd stream are unable to achieve 500/100 kbps. (Camera performance limitation)
3. Dahua:
   a. HCVR5104H

i. The bitrate list of camera isn't synchronized with the one on camera's web. (NUUO server limitation)

ii. The auto detection and UPnP search are not supported. (Camera firmware issue)

iii. The audio-in function is only supported in channel 1. (Camera firmware issue)

iv. The PCM audio format is not supported. (Camera firmware issue)

v. The talk function is not supported. (Camera firmware issue)

vi. The move and auto-pan functions of PTZ are not supported. (Camera firmware issue)

vii. After focus- near or focus-far, camera automatically switches to autofocus immediately. (Camera firmware issue)

viii. The auto-focus is not supported. (Camera firmware issue)

ix. The motion detection is not supported. (Camera firmware issue)

x. The parameters of the camera are not configurable with low FPS. (Camera firmware issue)

4. DLink:
   a. DCS-6513
      i. DCS-6513 PTZ supports zoom and focus. (Camera performance limitation)
      ii. First time connection may take about 30 seconds due to the need for camera configuration. (Camera performance limitation).

5. EverFocus:
   a. EDN2260:
      i. The quality list of H.264 isn't synchronized with the one on camera's web. (Camera firmware issue)

6. Fine:
   a. TCP-HDVB800-H
      i. Camera is unable to achieve maximum FPS.(Camera performance limitation)
      ii. Audible noise. (Camera firmware issue)

7. Forenix:
   a. ISPDII-3018WD
      i. 2nd stream is unable to achieve 500/100 kbps, when main stream resolution is 3M, SXGA or D1. (Camera performance limitation)
      ii. Camera with quality over 8192 is unable to achieve maximum FPS. (Camera firmware issue)
   b. ISPDII-1312WD
      i. 2nd stream is unable to achieve 500/100 kbps, when main stream resolution is 3M, SXGA or D1. (Camera performance limitation)
      ii. Camera with quality over 8192 is unable to achieve maximum FPS (Camera performance limitation)

iii. Camera will automatically pan or tilt, every 30 seconds or 2 minutes indefinitely. 1 minute after this motion occurred, the camera cannot tilt during this 1 minute period. (Camera firmware issue)

8. Histream:
   a. HH9803C-L16
      i. Due to Onvif restriction, some frame rate and bit rate cannot be set. (Camera performance limitation)
      iii. MPEG4 is not supported. (Camera firmware issue)
      ii. The MJPEG quality selection list on a camera is not synchronized with the one on the camera's web settings page. (Camera firmware limitation)

9. Jetstor:
   a. JV-B1201R
      i. Due to Onvif restriction, some frame rate and bit rates cannot be set. (Camera performance limitation)
      ii. Camera 2nd and 3rd stream is unable to change resolution. (Camera firmware limitation)

10. LG:
    a. LNP3020
       i. Snapshot is not supported. (Camera performance limitation)
    b. LNV7210R
       i. Video parameter (brightness…etc) setting is not supported. (Camera performance limitation)

11. Mobotix:
    a. T25M-Secure
       i. Camera movements became imprecise under panoramic mode.(NUUO Server limitation)
    b. Q25M-Secure
       ii. Camera movements became imprecise under panoramic mode.(NUUO Server limitation)

12. Qihan:
    a. QH-NV431
       i. Due to Onvif restriction, some bit rates cannot be set. (Camera performance limitation)
       ii. When main stream Liveview is on highest bitrate, the 2nd or 3rd stream disconnects. (Camera performance limitation)

13. TriCorp:
    a. TCS-33B002-IRFH

      i.   System response is slow when switching to MPRG-4 encoding format (Camera performance limitation)

      ii.   System response is slow to receive camera stream when connecting for the first time. (Camera performance limitation)

      iii.   Camera with MJPEG format will have mosaic effect. (Camera firmware limitation)

      iv.   Camera is unable to achieve maximum FPS (Camera performance limitation)

  b. TCS-36B002

      i.   Need very long time to switch MPEG4 codec. (Camera performance limitation)

      ii.   Need very long time to receive stream when first time used. (Camera performance limitation)

      iii.   Camera with MJPEG format will have mosaic effect. (Camera firmware limitation)

      iv.   Motion detection is not supported. (Camera firmware limitation)

      v.   Camera is unable to achieve maximum FPS (Camera performance limitation)

14. Tyco:

  a. ADVEIPSD37AH

      i.   Due to Onvif restriction, some frame rate and bit rates cannot be set. (Camera performance limitation)

      iv.   The MJPEG quality selection list on a camera is not configurable. (Camera firmware issue) The MJPEG quality selection list on a camera

15. Vista:

  a. VK21080VFD3V9F

      i.   VK21080VFD3V9F PTZ supports zoom and focus. (Camera performance limitation)

16. Vivotek:

  a. SD8363E

      ii.   The video parameter setting will get false value. (Camera performance limitation)

  b. MD8531H

      iii.   The video parameter setting will get false value. (Camera performance limitation)

17. WAPA:

  a. BL-C7HA1080IL-T18

      iv.   Due to Onvif restriction, some bit rates cannot be set. (Camera performance limitation)

      i.   The frame rate of the camera is not configurable. (Camera firmware limitation)

Bug Fixed the bug thated:

Mainconsole:

1. [DLink]

    ii. Fixed the bug thated the issue that DCS-6513 cannot stop auto pan.

    iii. Fixed the bug thated the issue that enable/disable audio out will change camera volume.

2. [Mobotix]

    iv. Fixed the bug thated the issue that motion detection may not trigger when adding new "Image Analysis Events" profile.

3. [Forenix]

    v. Fixed the bug thated the issue that the FPS setting of IPB-1080BM, IPB-1080BL, IPV-1080CD, IPD-1080CD and IPX-1080DN isn't synchronized with the one on camera's web.

4. [Axis]

    vi. Audio function on Liveview now supports Axis P3346 camera.

    vii. Fixed the bug thated the issue that P7214 audio-in isn't synchronized with the one on camera's web.

5. [ACTi]

    viii. Fixed the bug thated compatibility issues with adding ACTi KCM5611.

6. [Hikvision]

    ix. Fixed the bug thated the issue that DS-6601HF is disconnected.

    x. Corrected possible issues caused by multi-stream connection with Hikvision generic.

7. [Vivotek]

    xi. Trigger motion no longer fails when setting more than 1 motion area detection triggers on the camera web setting page.

NVRmini 2:

1. [Axis]

    i. Fixed the bug thated the issue that P7214 audio-in isn't synchronized with the one on camera's web.

2. [Forenix]

    i. Fixed the bug thated the issue that the FPS setting of IPB-1080BM, IPB-1080BL, IPV-1080CD, IPD-1080CD and IPX-1080DN isn't synchronized with the one on camera's web.

3. [Vivotek]

    i. Trigger motion no longer fails when setting more than 1 motion area detection triggers on the camera web setting page.

4. [Vista]

    i.   Fixed the bug thated Vista VK2-600PTZ random disconnection issue.

NVRsolo

1. [Axis]

    i.   Fixed the bug thated the issue that P7214 audio-in isn't synchronized with the one on camera's web.

2. [Forenix]

    i.   Fixed the bug thated the issue that the FPS setting of IPB-1080BM, IPB-1080BL, IPV-1080CD, IPD-1080CD and IPX-1080DN isn't synchronized with the one on camera's web.

3. [Vivotek]

    i.   Trigger motion no longer fails when setting more than 1 motion area detection triggers on the camera web setting page.

4. [Vista]

    i.   Fixed the bug thated Vista VK2-600PTZ random disconnection issue.

Titan NVR:

1. [Axis]

    i.   Fixed the bug thated the issue that P7214 audio-in isn't synchronized with the one on camera's web.

2. [Forenix]

    i.   Fixed the bug thated the issue that the FPS setting of IPB-1080BM, IPB-1080BL, IPV-1080CD, IPD-1080CD and IPX-1080DN isn't synchronized with the one on camera's web.

3. [Vivotek]

    i.   Trigger motion no longer fails when setting more than 1 motion area detection triggers on the camera web setting page.

4. [Vista]

    i.   Fixed the bug thated Vista VK2-600PTZ random disconnection issue.

Release Version v3.3.0 (2014/5/5)

Modules:

　　Device Pack　　　　　　v 3.3.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

Arecont	AV12366DN
Bosch	NBN-733, NBN-832, NDN-733, NDN-832, NIN-733 and NIN-832
Dahua	SD6366E-HN
Dlink	DCS-6112B1, DCS-930LB1 and DCS-932LB1
Fine	CDB-720VIR-H, TCP-2700AM, TCP-BF1080 and TCP-HVB3100D
Forenix	FBU-301LWD
HDPRO	HD-IC221STH211P
QVS	Generic
Santec	SNC-3303, SNC-4323IR, SNC-5323IRH, SNC-6303 and SNC-6323IRH

Sony	SNC-HM662 (fisheye camera) and SNC-VM601B
Vivotek	FD8171, IP8355EH and IP8365EH

FW upgrade:

Arecont	AV5115 (65225)
Everfocus	EZN3260 (1.2.4)
Forenix	FBU-200LWD, FBU-201LWD, FBX-200CL, FBX-200LWD, FDM-200LWD, FVD-200LWD (cramfsImage_AgWT8200122N06_1401213F) , FBU-300LWD , FBX-300LWD, FDM-300LWD and FVD-300LWD (cramfsImage_AgWT8300036N06_1401214F)

Multiple Stream Setting:

1. Support multiple stream setting function on Santec SNC-3303, SNC-4323IR, SNC-5323IRH, SNC-6303, SNC-6323IRH and Mobotix D15D-Sec, D15D-Sec-Dnight, D15D-Sec-Night-Pano, D15D-Sec-Pano, M15D-Sec, M15D-Sec-Dnight, M15M-Sec, S15D-Sec, S15M-Sec and S15M-Sec-Night

New Feature:

1. Sony G6 series on DP v3.3.0 support multiple stream settings with Mainconsole v5.0.0 and NVRmini 2/NVRsolo v2.0.0 and above.
2. Axis PQM series and Vivotek 8000 series on DP v3.3.0 support CBR/VBR settings with NVRmini 2/NVRsolo v2.0.0, Titan v1.6.2 and NUUO Crystal™ v2.0.4 and above.
3. Brickcom 50xA and 30xN on DP v3.3.0 support resolution dynamically changes based on the camera's maximum resolution.

Notice:

1. Bosch:
    - vi.   NIN-733
    - i.   Camera only supports IP mode of GOP structure under H.264 format.
    - ii.   Camera only supports G.711 audio codec.
    - iii.   The multi-stream setting of the camera is not configurable due to the limitations of inter-streaming dependency.(Mainconsole only)
    - vii.   NDN-832
    - i.   Camera only supports IP mode of GOP structure under H.264 format.
    - ii.   Camera only supports G.711 audio codec.

iii. With camera stream mode -- H.264 MP SD user can change resolution from 1920x1080 or 1280x720 to lower resolution.

iv. The multi-stream setting of the camera is not configurable due to the limitations of inter-streaming dependency.(Mainconsole only)

2. Brickcom

    a. OB-200Ap(50xA)

      i. The frame rate list with camera stream mode -- Wide and Ultra-Wide isn't synchronized with the one on camera's web. (camera firmware issue)

      ii. Under the protocol HTTP, the RTSP stream will disconnect within 5 minutes. (camera performance limitation)

      iii. There is a display mosaic issue when the format is MJPEG and resolution is 2592x1944 or 2304x1728.

      iv. The zoom and focus function have no response via camera web or CGI command. (camera firmware issue)

      v. It will show error message when setup camera parameter to higher resolution. (NUUO Crystal™ only)

      vi. The image of OB-200Ap sometimes cannot be updated under the protocol of TCP. (NUUO Crystal™ only)

    b. OB-200Np(30xN)

      i. Under the protocol HTTP, the RTSP stream will disconnect within 5 minutes. (camera performance limitation)

      ii. The zoom and focus function have no response via camera web or CGI command. (camera firmware issue)

      iii. Motion detection may trigger when frame rate is 1. (camera firmware issue)

      iv. It will show error message when setup camera parameter to higher resolution. (NUUO Crystal™ only)

3. Dahua

    a. SD6366E-HN

      i. The list of camera bitrate isn't synchronized with the one on camera's web. User should apply a value in the valid range from the web page of the camera so that the setting can be applied successfully.

      ii. Autofocus is not supported. (camera firmware issue)

4. DLink

    a. DCS-6112B1

      i. The camera with highest quality and MJPEG format is unable to achieve 30 fps.(camera firmware issue)

      ii. Audio out is not supported. (camera firmware issue)

    b.   DCS-930LB1

        i.   Auto detection is not supported. (camera firmware issue)

5.   EverFocus

    a.   EZN3260

        i.   The camera resolution of the third stream is unable to achieve 160x128. (NVRmini 2/NVRsolo/Titan NVR/NUUO Crystal™)

        ii.   The information of camera 2nd stream and 3rd stream are not synchronizes with the one on camera's web when disable and enable the 2nd and 3rd stream on camera's web. (camera firmware issue)

        iii.   The list of camera quality isn't synchronized with the one on camera's web with CBR. (NUUO server limitation)

6.   Fine

    a.   TCP-BF1080, CDB-720VIR-H

        i.   The camera frame rate is unable to achieve 20/30 fps. (camera firmware issue)

        ii.   The stream profile information does not display correctly. (Mainconsole only)

7.   Forenix

    a.   FBU-200LWD

        i.   Camera DI is not supported. (camera firmware issue)

        ii.   Camera snapshot function is not supported. (camera firmware issue)

        iii.   The camera 2nd and 3rd stream with D1 and SXGA resolution is unable to achieve 500bps/100bps. (camera firmware issue)

    b.   FVD-300LWD

        i.   Camera DI is not supported. (camera firmware issue)

        ii.   Camera snapshot function is not supported. (camera firmware issue)

        iii.   The camera with TCP connection is unable to achieve its frame rate setting. (camera firmware issue)

        iv.   The camera 2nd and 3rd stream with D1 and SXGA resolution is unable to achieve 500bps/100bps. (camera firmware issue)

8.   HDPRO

    a.   HD-IC221STH211P

        i.   The multi-stream will depend on stream setting on camera web.

        ii.   Audio only support G.711 codec.

9.   Mobotix

    a.   M15D-Sec, S15D-sec, D15d-Sec

        i.   The camera with higher quality and resolution is unable to achieve the fps which users set for all streams.(camera firmware issue)

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    ii.   The 2nd and 3rd stream resolution will depends on 1st stream resolution setting. For example, if users set the resolution of 1st stream to 2048*1536(the ratio of height and width is 4:3) and 2nd stream resolution is 1920*1080, the 2nd stream resolution will become 1440*1080(4:3) instead of 1920*1080(16:9). (camera performance limitation)

10. Santec
   a. SNC-3303, SNC-6323IRH
      i. Audio has noise with the camera format MJPEG, resolution 1920x1080, frame rate 25fps, quality 70 and TCP protocol.
      ii. When disable MJPEG stream, camera snapshot function is not supported
      iii. Camera with MJPEG format and 1920x1080 resolution is unable to achieve 20 fps
11. Sony
   a. SNC-HM662
      i. With JPEG format and resolution 2560x1920 does not support audio.
      ii. Only all streams with default RTSP path are supported.
      iii. Camera is unable to achieve the maximum FPS.
      iv. Sometimes, stream setting may be failed.
   b. SNC-EB630
      i. Sometimes, the 3rd stream setting is not configurable.

Bug Fixed the bug thated:

Mainconsole:
8. [VisionHitech] Fixed the bug thated the issue that camera Vision-SMi stream is disconnected.

NVRmini 2:
5. [Samsung] Fixed the bug thated the issue that SNF-7010 2nd stream is disconnected.
6. [Centrix] Fixed the bug thated compatibility issues with using generic model.

NVRsolo
1. [Samsung] Fixed the bug thated the issue that SNF-7010 2nd stream is disconnected.
2. [Centrix] Fixed the bug thated compatibility issues with using generic model.

Titan NVR:
1. [Samsung] Fixed the bug thated the issue that SNF-7010 2nd stream is disconnected.
2. [Centrix] Fixed the bug thated compatibility issues with using generic model.

NUUO Crystal™:

1. [Samsung] Fixed the bug thated the issue that SNF-7010 2nd stream is disconnected.
2. [Centrix] Fixed the bug thated compatibility issues with using generic model.

Release Version v3.2.1 (2014/4/23)

Modules:

Device Pack   v 3.2.1

Supported Systems:

Mainconsole   v 4.1.12 and above*

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

Bug Fixed the bug thated:

Mainconsole:

9. [Axis] Fixed the bug thated compatibility issues with using multi stream function.
10. [Vivotek] Fixed the bug thated compatibility issues with using multi stream function.

Release Version v3.2.0 (2014/4/7)

Modules:

Device Pack   v 3.2.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

ACTi	I51(fisheye camera) and I71(fisheye camera)
AMTK	AH2816T (Fisheye camera)
Arecont	AV3455 and AV10225
Dlink	DCS-7000L
Fine	TCP-HFB720-H
Guardeon	GND-D2300V, GND-D3200, GND-F2300 and GND-H2300IR
Levelone	FCS-5042
Samsung	SND-6011R and SNV-7080R
Sony	SNC-WR600, SNC-WR602, SNC-XM632, SNC-XM636 and SNC-XM637
Vitek	VTC-IR401/210NP

Vivotek	FD8355EHV and FD8365EHV
Wavekrom	WK-SD6000HD

FW upgrade:

Arecont	AV10115 and AV10255 (65225)
CNB	IDC4050VF (XNET.M1-3.00.13.1125), INS2000 (FW XNET.A1-2.01.13.0902) and IVC5055VR(XNET.M1-3.00.13.1125)
Dlink	DCS-3714 (FW: V1.00.00) and DCS-6115 (FW: V0.09.00)
Fine	ACM-V3103 (FW: 2.03.14A) and TCP-HVB3105D (FW: v2.03.14A)
Levelone	FCS-3062 (FW: 1.0.0.6build4), FCS-4041 (FW: Le20140113NSA), FCS-4042 (FW: Le20140113NSA) and FCS-5052(FW: 1.0.0.6build4)
Samsung	SNO-7080R(FW 2.00_121004)
Sunell	SN-IPR54/31UDN (FW: v1.7.1001.3.0.13)
Vision Hitech	Vision SM3Ti (VISION_M3Ti_2014.02.27_v.1.1.5.13.dat)
Zavio	D7320 (FW: M3.1.5.21)

Multi Stream Setting:

2. Support multi stream setting function on Santec SNC-3302, SNC-3305, SNC-3322, SNC-4302, SNC-5312IR, SNC-5315IR, SNC-6202, SNC-6212IR, SNC-6302, SNC-6312IRH, SNC-6315IRH, SNC-8322I/HO, Samsung SND-6011R, SNV-7080R, SNO-7080R and all Sunell models.

New Feature:

4. Support multi stream setting function with NVRmini 2/NVRsolo v2.0.0 and above on Axis PQM series from DP v3.2.0.

5. Support Snapshot function* with NVRmini 2/NVRsolo v2.0.0 and above on Axis PQM series, Arecont camera, Sony G6 series, Vivotek 8000 series, Honeywell HDZ20HD HDZ20HDE, HDZ20HDEX, HDZ20HDX and Hikvision DS-2CD2012-I, DS-2CD2112-I, DS-2CD2212-I3, DS-2CD2212-I5, DS-2CD2312-I, DS-2CD2612F-I, DS-2CD2612F-IS, DS-2CD2632F-IS, DS-2CD2712F-I, DS-2CD2712F-IS, DS-2CD2732F-IS, DS-2CD7253F-EIZ, DS-2CD8253F-EI, DS-2CD8264FWD-EIS, DS-2CD864FWD-E, DS-2DF1-572, DS-6601HFHI, Generic from DP v3.2.0.

   *One of the cameras in the system must support I/O functions in order to enable the snapshot feature. This is a known issue and we are looking to Fixed the bug that it with the next product version update.

6. Support PTZ function on ACTi Generic.

7. Support Santec four motion areas detection on Santec SNC-3302, SNC-3305, SNC-3322, SNC-4302, SNC-5312IR, SNC-5315IR, SNC-6202, SNC-6212IR, SNC-6302, SNC-6312IRH, SNC-6315IRH, SNC-8322I/HO.
8. Support Vivotek smart stream function on Mainconsole.

Notice:

1. Acti:
    a. I71
        i. The camera resolution N640x360 should be N640x480.
2. CNB:
    a. CNB-IDC4050VF
        i. Cameras with VGA resolution will be unable to change bitrates. (camera firmware issue)
    b. CNB-INS2000
        i. Camera is unable to achieve maximum FPS. (camera firmware issue)
        ii. Audio stutter with G.711. (camera firmware issue)
        ii. The FPS setting for 2nd stream will get false value (25 or 30) (camera firmware issue)
        iii. Camera is unable to change bitrate. (camera firmware issue)
3. Dlink:
    a. DCS-3714
        i. The camera with highest quality and resolution is unable to achieve 30 fps. (camera firmware issue)
    b. DCS-6115
        i. The camera with highest quality and MJPEG format is unable to achieve 30 fps and audio will stutter. (camera firmware issue)
    c. DCS-7000L
        ii. The camera with highest quality/resolution and MJPEG format is unable to achieve 30 fps. (camera firmware issue)
        iii. The parameters of the camera are not configurable with H.264 format. (camera firmware issue)
        iv. The format of the camera is not configurable from MJPEG to H.264. (camera firmware issue)
        v. The list of camera format MPEG4 isn't synchronized with the one on camera's web. If user sets camera format to MPEG4, camera will crash. (camera firmware issue)
        vi. Motion detection may not trigger continuously. (camera firmware issue)
4. Fine:
    a. ACM-V3103, TCP-HVB3105D

      i.   Camera will be disconnected when disabling camera MJPEG format on camera's web.

      ii.   Camera with resolution 1920x1080 is unable to achieve 20 fps. (camera firmware issue)

      iii.   Video and audio stream malfunction within a period of time. (camera firmware issue).

5. Guardeon:

    a.   GDN-H2300IR

      i.   Camera will reboot (duration 60 seconds) after parameter configuration. (camera firmware issue)

             Talk function not supported.

             audio in with 16 KHz sampling rate not supported.

      vii.   camera UPnP search not supported. (camera firmware issue)

6. LevelOne:

    a.   FCS-4042

      i.   After quality setting change, the camera is unable to achieve 30 fps.

      ii.   The special symbol usage ex:# for camera preset point name will fail.

      iii.   It will take 50~60 seconds in MJPEG format and maximum resolution setting

7. Sunell:

    a.   All Sunell models has MJPEG codec removed. (Mainconsole)

    b.   SN-IPR54/31UDN

      i.   Due to Onvif restriction, some frame rate and bit rates cannot be set.

8. VisionHitech:

    a.   M3Ti

      i.   NUUO use dual mode as default connection mode.

      ii.   Camera with format MJPEG and resolution VGA is unable to achieve the camera setting fps.

9. Vitek:

    a.   VTC-IR401

      i.   Camera fps is unable to achieve the camera setting fps. (camera performance issue)

      ii.   UPnP search may not work. (camera performance issue)

10. Zavio:

    a.   D7320

      i.   Camera fps is unable to achieve the desired fps.

Bug Fixed the bug thated:

Mainconsole:

11. [LG] Fixed the bug thated compatibility issues with adding cameras LG LVS201.

12. [Onvif/Onvif] Fixed the bug thated the issue that causes Mainconsole to restart when selecting onvif/onvif settings on a camera

13. [Arecont] Fixed the bug thated the display mosaic issue on Arecont AV10115 when switching to D/N mode in live view.

14. [Zavio] Corrected PTZ speed range and auto pan speed setting on Zavio P6210 and 812x cameras.

15. [Messoa] Messoa PRO series cameras are now correctly labeled as "Messoa Pro" cameras.

16. [Messoa] Messoa NCB858 is now correctly labeled. (previously labeled as NCR858)

NVRmini 2:

3. [Axis] Dewarp function now supports Axis M3007 camera.

4. [Arecont] Fixed the bug thated the display mosaic issue on Arecont AV10115 when switching to D/N mode in live view.

5. [D-Link] Corrected possible issues caused by dual stream connection with D-link DCS-2210 camera.

6. [Messoa] Messoa PRO series cameras are now correctly labeled as "Messoa Pro" cameras.

7. [Messoa] Messoa NCB858 is now correctly labeled. (previously labeled as NCR858)

8. [Sunell] Fixed the bug thated the issue that causes frame rate to double when enabling audio functions.

NVRsolo:

9. [Axis] Dewarp function now supports Axis M3007 camera.

10. [Arecont] Fixed the bug thated the display mosaic issue on Arecont AV10115 when switching to D/N mode in live view.

11. [D-Link] Corrected possible issues caused by dual stream connection with D-link DCS-2210 camera.

12. [Messoa] Messoa PRO series cameras are now correctly labeled as "Messoa Pro" cameras.

13. [Messoa] Messoa NCB858 is now correctly labeled. (previously labeled as NCR858)

14. [Sunell] Fixed the bug thated the issue that causes frame rate to double when enabling audio functions.

Titan NVR:

1. [Axis] Dewarp function now supports Axis M3007 camera.

2. [Arecont] Fixed the bug thated the display mosaic issue on Arecont AV10115 when switching to D/N mode in live view.

3. [D-Link] Corrected possible issues caused by dual stream connection with D-link DCS-2210 camera.

4. [Messoa] Messoa PRO series cameras are now correctly labeled as "Messoa Pro" cameras.

5. [Messoa] Messoa NCB858 is now correctly labeled. (previously labeled as NCR858)
6. [Sunell] Fixed the bug thated the issue that causes frame rate to double when enabling audio functions.

NUUO Crystal™:

3. [Axis] Dewarp function now supports Axis M3007 camera.
4. [Arecont] Fixed the bug thated the display mosaic issue on Arecont AV10115 when switching to D/N mode in live view.
5. [D-Link] Corrected possible issues caused by dual stream connection with D-link DCS-2210 camera.
6. [Messoa] Messoa PRO series cameras are now correctly labeled as "Messoa Pro" cameras.
7. [Messoa] Messoa NCB858 is now correctly labeled. (previously labeled as NCR858)
8. [Sunell] Fixed the bug thated the issue that causes frame rate to double when enabling audio functions.

Release Version v3.1.0 (2014/3/5)

Modules:

Device Pack v 3.1.0

Supported Systems:

Mainconsole	v 4.1.12 and above*
NVRmini 2	v 1.7.1 and above**
NVRsolo	v 1.1.1 and above**
Titan NVR	v 1.6.2 and above
NUUO Crystal™	v 2.0.3 and above

*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

**For NVRmini 2 and NVRsolo multi stream setting function, please upgrade to NVRmini 2/NVRsolo v2.0.0 and above first.

New Camera Supported:

ACTi	E96 (fisheye camera) and Generic model
Alarm.com	ADC-V520, ADC-V620PT and ADC-VS420
Arecont	AV1455, AV2146, AV2225, AV2226, AV2245, AV2246, AV3225, AV3226, AV3245 and AV3246

Axis	P1353-E, P1355-E, P1357, Q1931-E and Q6042
Dahua	IPC-HD2100 and IPC-HFW3200C
DlinkCN	DCS-H70-22D
Fine	ACM-V3103, TCP-HVB3105D and TCP-MZ602
GE	TVC-M1245E-2M-P
Levelone	FCS-3062 and FCS-4042
Messoa	NCR870 and NDF820
Samsung	SND-6084R, SNO-6084R, SNV-6012M and SNV-6084R
Sony	SNC-EM632R, SNC-VB635, SNC-WR630 and SNC-WR632
Vision Hitech	M2TiA, MTi, VD102i, VD10M2, VN10M2 and VN200i
Vista	VK2-1080VRDIR3V9F
Vivotek	FD8371EV, FE8174, FE8174V and VS8100
Zavio	F3215 and P6210

FW upgrade:

Arecont	AV1115, AV1125, AV1145, AV1255, AV1305 , AV2115, AV2805, AV3105 and AV3115 (65225)
Dlink	DCS-2132LB1 (FW v2.00.05) and DCS-3112 (FW v1.11.01)
Panasonic	WV-SW174W (FW: 1.81)
Samsung	SNB-6004, SND-6084 (1.00_130316)

New Feature:

NVRmini 2/NVRsolo:

1. Support multi stream setting function with NVRmini 2/NVRsolo v2.0.0 and above on Arecont camera and Vivotek 8000 series from DP v3.1.0.
2. Support multi stream setting function with requested cameras. (please refer to http://www.nuuo.com/SupportCamera.php?node_id=4#4)
3. Support audio out function with NVRmini 2/NVRsolo v2.0.0 and above on Axis PQM series, Sony 6th generation and Vivotek 8000 series.

Notice:

1. Fine:
    b. ACM-V3103, TCP-HVB3105D
        i. The camera is unable to achieve 20 fps with a resolution of 2046x1536. (camera firmware issue)
        ii. The video stream with MJPEG format will be disconnected when disable the MJPEG option on camera's web.

   iii. Support zoom and focus.

2. Arecont:

   a. AV1115

    i. DI and DO cannot work.

   b. AV3115

    i. DO cannot work.

3. Alarm.com:

   a. ADC-V520

    i. The resolution list is not synchronized with the one on camera's web. (camera firmware issue).

    ii. The camera with high resolution and quality/ bitrate is unable achieve to 30fps with MJPEG format and TCP protocol.

    iii. The video stream will be disconnected with a setting of MPEG4 and 20kbps bitrate.

   b. ADC-V620PT

    i. The resolution list is not synchronized with the one on camera's web. (camera firmware issue).

    ii. Main stream cannot achieve high fps when use high resolution (1280x720 or higher) and high quality/ bitrate.

4. DlinkCN

   a. DCS-H70-22D

    i. The resolution list is not synchronized with the one on camera's web. (camera firmware issue).

    ii. The camera is unable to achieve 15fps or above with some resolutions. (camera firmware issue)

5. Dlink

   a. DCS-2132LB1

    i. Motion detection may not trigger continuously within short period of time. (camera firmware issue)

   b. DCS-3112

    i. With MPEG4 format, the resolution list is not synchronized with the one on camera's web. (camera firmware issue).

    ii. Under multi stream function, low and min stream cannot reach 500 kbps and 100 kbps.

6. Panasonic:

   a. WV-SW174W

    i. MJPEG frame rate will be impacted by H.264 stream. If enable H.264 stream on main or low stream, MJPEG stream can only support up to 5 fps.

7. Zavio:

    a. F3215

        i. Not support MPEG4 format. (camera firmware issue)

        ii. Audio out will stutter.

8. Dahua:

    a. IPC-HFW3200C

        i. The list of bit rate and frame rate is not synchronized with the one on camera's web. This may cause stream parameter setting fail. (camera firmware issue)

        ii. Enable motion detection under MJPEG mode may cause liveview image to freeze.

        iii. The audio will stutter under PCM format.

        iv. The audio will stutter under G.711Mu and G.711A format.

        v. With UPnP search the camera will search incorrect MAC address. (NVRMini 2/NVRsolo/Titan NVR/NUUO Crystal™)

        vi. The bit rate of the cameras is not configurable on NVRSolo/NVRMini2 v2.0.0 web client with DP v3.1.0, but can be setup with NVRsolo local site.

    b. IPC-HD2100

        i. The list of bit rate and frame rate is not synchronized with the one on camera's web. This may cause stream parameter setting fail. (camera firmware issue)

        ii. Enable motion detection under MJPEG mode may cause liveview image to freeze.

        iii. With UPnP search the camera will get incorrect MAC address. (NVRMini 2/NVRsolo/Titan NVR/NUUO Crystal™)

        iv. The bit rate of the cameras is not configurable on NVRsolo/NVRMini2 v2.0.0 web client with DP v3.1.0, but can be setup with NVRsolo local site.

9. VisionHitech

        i. Main stream support H.264 format, low/min stream support H.264 and MJPEG. (NVRMini 2/NVRsolo/Titan NVR/NUUO Crystal™)

        ii. M2TiA series under H.264 format cannot setup D1resolution. (camera firmware issue)

        iii. It is invalid setting on brightness. (Mainconsole)

        iv. NUUO use dual mode as default connection mode.

        v. It does not support the resolution setting for MJPEG. (Mainconsole)(camera firmware issue)

10. IP Power

        i. With NVRsolo v2.0.0 and above with DP v3.1.0 can select camera model on local site.

Bug Fixed the bug thated:

Mainconsole:

10. [Hikvision] Fixed the bug thated the issue that camera will become manual focus mode when reconnecting the camera or restarting Mainconsole.

11. [Dlink] Fixed the bug thated the issue on DCS-5615 that the default brightness setting is not synchronized with the camera's web.

12. [Dlink] Fixed the bug thated the issue on DCS-942L that the stream format and frame rate is not synchronized with Mainconsole settings.

13. [Vivotek] Fixed the bug thated the issue on VS8401 / VS8801 that only the first channel of the camera is connectable.

NVRmini 2:

1. [Onvif] Fixed the bug thated the issue that Onvif/Onvif will use first profile for default connecting profile.

2. [Vitek] Fixed the bug thated UPnP search fail issue.

3. [Hikvision] Fixed the bug thated the issue that the camera parameters are not changed by generic model.

4. [Axis] Fixed the bug thated the issue that the camera will disconnected when changing grid layout.

5. [CNB] Fixed the bug thated the issue that the multi stream is disconnected.

6. [Centrix] Fixed the bug thated the issue that the multi stream information is incorrect displayed for generic model.

NVRsolo:

1. [Onvif] Fixed the bug thated the issue that Onvif/Onvif will use first profile for default connecting profile.

2. [Vitek] Fixed the bug thated UPnP search fail issue.

3. [Hikvision] Fixed the bug thated the issue that the camera parameters are not changed by generic model.

4. [Axis] Fixed the bug thated the issue that the camera will disconnected when changing grid layout.

5. [CNB] Fixed the bug thated the issue that the multi stream is disconnected.

6. [Centrix] Fixed the bug thated the issue that the multi stream information is incorrect displayed for generic model.

Titan NVR:

1. [Onvif] Fixed the bug thated the issue that Onvif/Onvif will use first profile for default connecting profile.

2. [Vitek] Fixed the bug thated UPnP search fail issue.

3. [Hikvision] Fixed the bug thated the issue that the camera parameters are not changed by generic model.

4. [Axis] Fixed the bug thated the issue that the camera will disconnected when changing grid layout.

5. [CNB] Fixed the bug thated the issue that the multi stream is disconnected.

6. [Centrix] Fixed the bug thated the issue that the multi stream information is incorrect displayed for generic model.

NUUO Crystal™:

1. [Onvif] Fixed the bug thated the issue that Onvif/Onvif will use first profile for default connecting profile.

2. [Vitek] Fixed the bug thated UPnP search fail issue.

3. [Hikvision] Fixed the bug thated the issue that the camera parameters are not changed by generic model.

4. [Axis] Fixed the bug thated the issue that the camera will disconnected when changing grid layout.

5. [CNB] Fixed the bug thated the issue that the multi stream is disconnected.

6. [Centrix] Fixed the bug thated the issue that the multi stream information is incorrect displayed for generic model.

Release Version v3.0.1 (2014/02/14)

Modules:

Device Pack   v 3.0.1

Supported Systems:

NVRmini 2   v 1.7.1 and above

Bug Fixed the bug thated:

NVRmini 2:

1. Fixed the bug thated the issue that cannot login web client.

Release Version v3.0.0 (2014/2/5)

Modules:

Device Pack   v 3.0.0

Supported Systems:

Mainconsole   v 4.1.12 and above*

NVRmini 2   v 1.7.1 and above

NVRsolo   v 1.1.1 and above

Titan NVR   v 1.6.2 and above

NUUO Crystal™   v 2.0.3 and above

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*For Mainconsole multi stream and setting function, please upgrade to Mainconsole v5.0.0 and above first.

New Camera Supported:

Arecont	AV3145 , AV5245 and Generic model
Axis	M3025, M3026 and P5415
Dlink	DCS-6045L
Dynacolor	NH720-20N8 and NH820-20N8
Eneo	PXB-2180Z03, PXC-2080CS and PXC-2080Z03
Fine	CDB-HFD720, CDB-MV720F-H, CDV-MD602, CDV-P360-5 (fisheye camera), TCP-BF128, TCP-HDVB720-H and TCP-MB602
Samsung	SNB-5003, SNB-5004, SND-5083, SND-5084 and SNV-5084
Sony	SNC-EB600, SNC-EB600B, SNC-EB630B, SNC-EM601, SNC-EM602R, SNC-EM630, SNC-EM631, SNC-EM632R, SNC-VB635, SNC-VM601, SNC-VM602R, SNC-VM631 and SNC-VM632R
Sunell	SN-IPR54/31UDN
Truen	TN-B200CE, TN-B202CEIR, TN-D1202CE, TN-P1220CS, TN-P1222CGPLX, TN-P1230CS, TN-P3220CS, TN-P3220CSIR and TN-P3220CTIR
Vivotek	FD8137H, FD8137HV and IP8364
Zavio	B7510 and D4210

FW upgrade:

Axis	P7210 (FW 5.50.2)
Centrix	Generic model (FW cx20131107NSA)
Dlink	DCS-3010, DCS-3714 and DCS-5222LB1(FW : v1.11.00)
Eneo	PXB-1080Z03, PXB-2080MIR, PXB-2080Z03, PXD-2080MIR and PXD-2080Z03 (FW 4.23.49-ds)
Sony	SNC-EM600, SNC-VB630 and SNC-VM630

New Feature:

Mainconsole:

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1. Support multi stream setting function with Mainconsole v5.0.0 and above on Axis PQM series, Arecont all series, Vivotek 8000 series and Samsung SNB-5003, SNB-5004, SND-5083, SND-5084 and SNV-5084 from DP v3.0.0.
2. Support multi stream function with requested cameras. (please refer to http://www.nuuo.com/SupportCamera.php?node_id=4#4)

Enhancement:
1. Adjust Samsung camera SNP-3120V, SNP-3430H, SNZ-5200, SPE-100 PTZ speed to 3 or 1.
2. D-Link China camera DCS-V70M-21H, DCS-V70M-21H2 multi-stream:
    i.   Adjust fps range from 15 to 20.
    ii.   Adjust 2nd stream resolution to 640x480.
    iii. Adjust 2nd stream bitrate to 1000kbps.

Notice:
11. Samsung:
    a. SNB-5003, SNB-5004, SND-5083, SND-5084 and SNV-5084 :
        i.   Support 64 preset points.
        ii.   Default value of Talk will setup to 5.
        iii. When change audio setting on camera web, the previous connection will be interrupted and re-connect. (camera firmware issue)
12. Dynacolor
    a. NH820-20N8, NH720-20N8
        i.   When using MJPEG format, camera reply is slow. (camera firmware issue)
        ii.   It would not support motion detection when camera resolution is 1920x1080 (Low Latency). (camera firmware issue)
        iii. Camera does not support MJPEG format with 1280x720 (Low Latency). (camera firmware issue)
13. Sunell
    a. SN-IPR54/31UDN
        i.   Due to Onvif limitation, some framerate and bitrate cannot setup.
14. Fine
    a. CDV-MD602
        i.   Motion detection may fail when select 30 fps mode. (camera firmware issue)
15. D-Link
    a. DCS-3010
        i.   Motion detection may fail after setting camera parameter. (camera firmware issue)
        ii.   Camera may not work when setup bitrate to 8000kbps. (camera firmware issue)

iii.   Not support dual stream.

iv.   The live view may delay when setup high resolution. (camera firmware issue)

  b.   DCS-5222LB1

i.   Not support talk. (camera firmware issue)

ii.   Not support preset. (camera firmware issue)

iii.   Direction of PTZ is opposite. (camera firmware issue)

iv.   The live view may delay when setup high resolution. (camera firmware issue)

  c.   DCS-3714

i.   Not support 8M bitrate. (camera firmware issue)

  d.   DCS-6045L

i.   It may need to reboot again after a period of time. (camera firmware issue)

16. Arecont

  a.   Due to camera performance, camera fps may not reach to the frame rate configuration.

  b.   Audio function may not work after connect/disconnect, and need to reboot camera.

17. Eneo

  a.   Only support RTSP port 554 (camera firmware issue)

  b.   Only integrate NTSC mode.

  c.   Audio will be discontinuous under fps 1.

  d.   Camera fps may not reach to camera setting under high resolution, frame rate and quality.

  e.   Not support brightness, contrast, saturation on Mainconsole (camera firmware issue)

  f.   Audio out is not supported with Mainconsole (camera firmware issue)

Bug Fixed the bug thated:

Mainconsole:

14. [Onvif] Fixed the bug thated the issue that causes Mainconsole error when adding cameras

NVRmini 2:

1. [IPPower] Fixed the bug thated the issue that causes live view delay and incorrect camera fps display.

2. [Vivotek] Fixed the bug thated the issue that causes FD8136 dual stream do not display correctly.

3. [RTSP] Fixed the bug thated the issue that CPU loading will increase after audio function turn off.

NVRsolo:
1. [IPPower] Fixed the bug thated the issue that causes live view delay and incorrect camera fps display.
2. [RTSP] Fixed the bug thated the issue that CPU loading will increase after audio function turn off.

Titan NVR:
1. [IPPower] Fixed the bug thated the issue that causes live view delay and incorrect camera fps display.
2. [Sony] Fixed the bug thated the issue that causes Sony camera to disconnect.
3. [RTSP] Fixed the bug thated the issue that CPU loading will increase after audio function turn off.

NUUO Crystal™:
1. [Sony] Fixed the bug thated the issue that causes Sony camera PTZ speed delay.
2. [IPPower] Fixed the bug thated the issue that causes live view delay and incorrect camera fps display.
3. [RTSP] Fixed the bug thated the issue that CPU loading will increase after audio function turn off.

Release Version v2.20.0 (2013/12/26)

Modules:

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Device Pack   v 2.20.0

Supported Systems:

Mainconsole	v 4.1.12 and above
NVRmini 2	v 1.7.1 and above
NVRsolo	v 1.1.1 and above
Titan NVR	v 1.6.2 and above
NUUO Crystal™	V 2.0.0 and above

New Camera Supported:

Arecont	AV2256 and AV2456
Aver	FB2027-1, FB2027-2, FB2027-3, FB2028, FB2028-T1, FB2028-T2, FB2028-TM, FB3027, FB3028-RT1, FB3028-RT2, FB3028-RTM, FD2020, FD3020, FD3020-M FV2006, FV2028, FV3028, FV3028-RT, FV3028-RTM, FX2000, FX3000-R, SF2121H-BHR-30, SF2121H-BHR-50 and SF2121H-R
Axis	M3024-L, P5414, Q1765-LE, Q6044 and Q6045
Dlink	DCS-5222LB1
DlinkCN	DCS-H41-11D/I and DCS-H41-12D/I
Dynacolor	NA083 (fisheye camera)
Fine	MD-D3622Q-H, SP-HP2330Q-IP, TCP-336AM, TCP-IRH5080-50 and TCP-IRH5080-70
Forenix	IPB-1080BL, IPB-1080BM, IPD-1080CD, IPV-1080CD and IPX-1080DN
Hikvision	DS-2CD7253F-EIZ
Messoa	NCR858, NCR878, NDF821, NDF821PRO, NDF831, NDF831PRO and NDR891PRO
Pelco	D5220, IL10 and IM10
Sony	SNC-EB630, SNC-EM600, SNC-VM600 and SNC-VM630
Vivotek	FD8135H, FD8164, FD8164V, SD83x4, SD83x6

FW upgrade:

Dlink	DCS-2310L, DCS-2332L and DCS-6010L (FW V1.02.00)
MegaIP	NCD-2003PR and NMX-2003P (FW mega-web-51110.2.1262.100.bin)
Santec	SNC-3302, SNC-3322, SNC-4302, SNC-6202, SNC-6302, SNC-6315IRH and SNC-8322I/HO (firmware_1.0.3.447)
Sony	SNC-VB600 (FW 1.9.2)

Enhancement:

3. Add Brickcom FD-301Af and VD-301Af to 50xA model

Notice:

18. IP Power:
    a. Generic:
        i. Focus function does not test with NUUO product.
19. Hikvision:
    a. DS-2CD7253F-EIZ
        i. Only supports zoom in/out in the PTZ-control.
        ii. When resolution is 1600x1200 and 1600x912, the range of framerate does not synchronize with web.
        iii. 2nd stream format must be the same with main stream except MJPEG.
        iv. UPnP search cannot get a valid mac address. (NVRmini 2/NVR Solo/Titan NVR/NUUO Crystal™)
20. Aver
    a. MJPEG could not reach to the framerate which user setups. (camera performance issue)
    b. UPNP search failure when change web port from 80 to others.
21. Sony
    a. In certain scenarios i.e. under high frame rate or resolution, camera might have limitation. For further information, please visit Sony A&E Portal: https://www.security.sony.biz/ssp/ae/homeDisplay.do (SNC-EB630, SNC-EM600, SNC-VB600, SNC-VM600 and SNC-VM630)
    b. Audio (G726 40kbps, 32kbps, 16kbps) is non-smooth or muted with Titan NVR (SNC-VB600, SNC-VM600 and SNC-VM630)
22. Messoa
    a. It takes 10 sec or more to setup parameter setting.
    b. It will get wrong parameter setting after setup.
    c. Not support talk. (Mainconsole)
    d. Not support auto detection. (NVRmini 2/NVR Solo/Titan NVR/NUUO Crystal™)
23. D-Link
    a. DCS-6010L:
        i. When finish resolution parameter setting, fisheye setting will random set back to default setting (Mount type: Desktop; Display Mode: 4R). (Mainconsole)
    b. DCS-2332L, DCS-2310L
        i. Bitrate List will not change by select different resolution.

24. Vivotek
   a. FD8164
      i. Brightness and Contrast range from -5 to 5 instead of 0 to 100 in web. (camera firmware issue)
   b. SD8316E
      i. Brightness and Contrast range from -5 to 5 instead of 0 to 100 in web. (camera firmware issue)
   c. FD8135H
      i. Resolution list does not synchronize with the list on web. (camera firmware issue)
      ii. When format is setup to MPEG4, resolution is 1280 x 800 and quality is best, the maximum FPS can only reach 20. (NVRmini 2/NVR Solo/Titan NVR/NUUO Crystal ™) (camera firmware issue)

25. Fine
   a. MD-D3622Q-H:
      i. When use Pan speed bar to control Pan speed, Tilt speed will be the same. (Mainconsole)
   b. TCP-336AM:
      i. When format is MPEG4, resolution is 1920 x 1080 and quality is excellent, the maximum FPS can only reach 20.

26. Pelco
   a. D5220
      i. Preset point name cannot change, and will not synchronize with camera web. (Mainconsole)
      ii. Video parameter (brightness, contrast, saturation) will not synchronize with camera web. (Mainconsole)
      iii. When resolution or quality is high, framerate would not reach its setting. (Mainconsole)
      iv. It may cause Mainconsole unstable when change protocol. (UDP->HTTP, HTTP->UDP)
   b. IM10 and D5220
      i. It will need to disable second profile on web first and parameter setting can be changed.

27. MegaIP
   a. Getting bitrate value would not synchronize with camera web. (Camera onvif issue)
   b. Setting quality value would not synchronize with camera web. (Camera onvif issue)
   c. After setting parameter on camera, camera would restart. After it completed, then can get parameter setting.

    d.   Only when http port is 80, motion detection and DI/DO can work.

Bug Fixed the bug thated:

Mainconsole:

1. [D-Link] Fixed the bug thated VBR setting issue.

NVRmini 2:

1. [Fine] Fixed the bug thated the issue that TCP-HFB1080D does not support UPnP.
2. [Samsung] Adjusted SNP-5300 PTZ default speed to 3.
3. [Sony] Fixed the bug thated the issue that all Sony cameras might disconnect.

NVRsolo:

1. [Fine] Fixed the bug thated the issue that TCP-HFB1080D does not support UPnP.
2. [Samsung] Adjusted SNP-5300 PTZ default speed to 3
3. [Sony] Fixed the bug thated the issue that all Sony cameras might disconnect.

Titan NVR:

1. [Fine] Fixed the bug thated the issue that TCP-HFB1080D does not support UPnP.
2. [Sony] Fixed the bug thated the issue that all Sony cameras might disconnect.
3. [Samsung] Adjusted SNP-5300 PTZ default speed to 3

NUUO Crystal™:

1. [Sony] Fixed the bug thated the issue that all Sony cameras might disconnect.

Release Version v2.19.0 (2013/11/26)

Modules:

Device Pack	v 2.19.0

Supported Systems:

Mainconsole	v 4.1.12 and above
NVRmini 2	v 1.7.1 and above
NVRsolo	v 1.1.1 and above
Titan NVR	v 1.6.2 and above

New Camera Supported:

3Svision	N1011, N1012, N1031, N1032, N3011, N3012, N3031, N3032, N6011, N6012 ,N6013, N6014, N6015, N6016, N6031, N6032, N6033, N6034, N6035, N6036, N6037, N6038, N8011, N8012, N8031, N8032, N9012, N9032, N9033 and N9034
Arecont	AV5455DN-F, AV3456DN-F
Axis	M2014
DigitalWatchdog	DWC-MD421 and DWC-MV421
Dlink	DCS-2330L, DCS-2132LB1, DCS-3714, DCS-5615 and DCS-7110B1
Fine	TCP-HFB1080D
Hikvision	DS-2CD2612F-IS, DS-2CD2632F-IS, DS-2CD2712F-IS and DS-2CD2732F-IS
i-Mege	G1102E
IP Power	Generic
Mobotix	D15D-Sec, D15D-Sec-DNight, D15D-Sec-Night-Pano, D15D-Sec-Pano, Generic, M15D-Sec, M15D-Sec-DNight, M15M-Sec, S14D-Sec, S14D-Sec-Night, S14M-Sec, S15D-Sec, S15M-Sec and S15M-Sec-Night
Neovista	NV-CB1-36, NV-DP1RP-3312-15, NV-CB1R-36-6, NV-CB1RW-36-6, NV-CB3PL-28, NV-CB3WL-28, NV-DM1P-28, NV-BT3RP-3105-30 and NV-PT13RP-4-15
RIVA	RC1100, RC1100M, RC1202HD, RC2100M, RC2102HD, RC302HD, RC3100, RC3102HD, RC3203HD, RC3302, RC3500, RC3500M, RC3502HD, RC3502HDIR, RC3702, RC4100, RC5500, RC5510, RC6500, RC6602HD, RC6700, RC6802HD, RCC100HD, RE1000 and RE4000
Sunell	SN-VSR54/04
Vivotek	IP8173H, IP8337H and IP8336W
Zavio	V1100

FW upgrade:

ATV	IPFD2MT (FW HSNCT3-v2.1.71)
Santec	SNC-3305, SNC-5312IR, SNC-5315IR, SNC-6212IR, SNC-6312IRH, SNC-6315IRH (firmware_1.0.2.386)
Hikvision	DS-2CD7153-E

Enhancement:
1. Add Brickcom OB-300-NP-AD with zoom and focus to 30xN model
2. Add Brickcom OSD-200 to 20xP model

Notice:
1. IP Power:
    a. Generic:
        i. Focus function is not test on NUUO product.
        ii. The maximum resolution is depends on camera.
        iii. Some framerate and bitrate cannot setup due to Onvif restriction.
2. i-Mege:
    a. G1102E :
        i. No support on-edge motion when video format is MJPEG.
        ii. Support UPnP Search after Mainconsole v4.1.18.
        iii. Camera connection is not stable. (firmware issue)
3. Mobotix:
    a. D15D-Sec, D15D-Sec-DNight, D15D-Sec-Night-Pano, D15D-Sec-Pano, M15D-Sec, M15D-Sec-DNight, M15M-Sec, S14D-Sec, S14D-Sec-Night, S14M-Sec, S15D-Sec, S15M-Sec and S15M-Sec-Night
        i. Please setup on Mobotix web setting page first for display mode, ExtIO and on-edge motion.
        ii. Not support audio when video format is MJPEG.
4. Hikvision:
    a. DS-2CD2732F
        i. When resolution is 2048x1536, the range of framerate does not synchronize with web.
    b. DS-2CD7153-E
        i. When resolution is 1600x1200, the range of framerate does not synchronize with web.
        ii. Except MJPEG, 2nd stream format will be the same as main stream format.
5. Santec:

a. SNC-3305, SNC-5312IR, SNC-5315IR, SNC-6212IR, SNC-6312IRH, SNC-6315IRH

   i. When resolution is 2048x1536 and PAL mode, the range of framerate does not synchronize with web.

   ii. With high resolution there is noise with audio.

   iii. The bitrate of 2nd stream, minimum mode, is 200Kbps. (firmware issue)

6. Sunell:

   a. Audio only available on channel 1 and channel 2.

   b. DI2 cannot work correctly.

7. Fine:

   a. The response of camera setting is slow.

   b. Not support UPnP search on NVRmini 2, NVRsolo and Titan NVR.

8. Zavio:

   a. Audio in/out does not support AMR.

9. D-Link:

   a. DCS-2132LB1 and DCS-2330L do not support TCP/UDP. (firmware issue)

   b. DCS-2330L does not support talk. (firmware issue)

Bug Fixed the bug thated:

Mainconsole:

1. [Onvif/Onvif] Fixed the bug thated the issue that Mainconsole will dump when connecting.

2. [Santec] Fixed the bug thated the issue that SNC-4302, SNC-8322I/HO, SNC-3322 will dump when connecting.

3. [Fine] Fixed the bug thated the issue that TCP-MH859 does not support MJPEG with resolution 2048x1536 and 2592x1944.

4. [Vivotek] Fixed the bug thated multicast stream issue.

5. [Axis] Fixed the bug thated the issue that P8221 output cannot work.

NVRmini 2:

1. [Fine] Fixed the bug thated the issue that TCP-MH859 does not support MJPEG with resolution 2048x1536 and 2592x1944.

2. [Vivotek] Fixed the bug thated multicast stream issue.

3. [Axis] Fixed the bug thated M3007 unable to connect issue.

4. [Axis] Fixed the bug thated the issue that P8221 output cannot work.

NVRsolo:

1. [Fine] Fixed the bug thated the issue that TCP-MH859 does not support MJPEG with resolution 2048x1536 and 2592x1944.

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2. [Vivotek] Fixed the bug thated multicast stream issue.

3. [Axis] Fixed the bug thated M3007 unable to connect issue.

4. [Axis] Fixed the bug thated the issue that P8221 output cannot work.

Titan NVR:

1. [DynaColor] Fixed the bug thated the issue that Live View shows "No Data" on the iViewer issue.

2. [Hikvision] Fixed the bug thated the issue that Generic model motion does not work issue.

3. [Fine] Fixed the bug thated the issue that TCP-MH859 does not support MJPEG with resolution 2048x1536 and 2592x1944.

4. [Vivotek] Fixed the bug thated multicast stream issue.

5. [Axis] Fixed the bug thated M3007 unable to connect issue.

6. [Axis] Fixed the bug thated the issue that P8221 output cannot work.

Release Version v2.18.0 (2013/10/28)

Modules:

Device Pack   v 2.18.0

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Supported Systems:

Mainconsole	v 4.1.12 and above
NVRmini 2	v 1.7.1 and above
NVRsolo	v 1.1.1 and above
Titan NVR	v 1.6.2 and above

New Camera Supported:

Arecont	AV2455DN-F
ATV	HDG-M120 and IPFD2MT
Brickcom	MD-300Np-360 and MD-500Ap-360 (fisheye camera)
Dlink	DCS-940L
DlinkCN	DCS-V70M-21H2
Eneo	PXB-2080MIR, PXD-2080MIR and PXD-2080Z03
Etrovision	EV8582U-BL, N51A-ML, N50U-ML, N51U-ML and N71U-ML
Fine	TCP-MH859
Forenix	FBX-200CL, FBU-201LWD and FDM-200LWD
Hikvision	DS-2CD2212-I3, DS-2CD2612F-I, DS-2CD2712F-I
Honeywell	H3D1F and H3D2F
Levelone	WCS-0050
Panasonic	DG-SC385
Samsung	SNF-7010 (fisheye camera) and SND-3082
Vivotek	IP8371E

FW upgrade:

Forenix	FBU-200LWD, FBX-200LWD and FVD-200LWD
Hikvision	DS-2CD2112-(I), DS-2CD2212-I5 and DS-2CD2312-I (FW 5.0.2)
Sony	SNC-CH120 (FW 1.80)
DlinkCN	DCS-N40M-22H3, DCS-V40M-12H, DCS-N70M-21H3, DCS-N31M-21H3 DCS-V40M-32H2, DCS-V70M-11H and DCS-V70M-21H2 (VB1.0.29)
Everfocus	EDN1220 and EDN1320 (FW 1.0.8)
Zavio	B7320 (FW M3.1.5.17)

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Notice:

1. EverFocus:
    a. EDN1220, EDN1320: Not support Mpeg4 (Firmware issue)
    b. EDN1320: Not support 160x128 in profile3 (Firmware issue)
2. Fine:
    a. TCP-MH859: Not support M-Jpeg with resolution 2048x1536 and 2592x1944.
3. ATV:
    a. HDG-M120: Does not implement Audio-out (Talk)
    b. HDG-M120: UPNP search failure if changed web port 80 to others
    c. HDG-M120: Not support UDP connection
    d. HDG-M120: Camera reply slowly if set maximum video parameters
    e. HDG-M120: The bitrate of stream 3 setup will fail at 100 kbps, but work at 200 kbps.
    f. IPFD2MT: Not support UPNP search
    g. IPFD2MT: MJPEG could not setup 1280x1024 and 1280x720 resolution at web, but camera still reply OK.
4. Hikvision:
    a. DS-2CD2012-I: Sub stream resolution must be smaller than Main stream resolution.
5. Sony:
    a. SNC-CH120: Not support SolidPTZ mode
6. Brickcom:
    a. 30xN: It does not support talk, IO on MD-300Np-360.
    b. 30xN: It does not support MD when format is MJPEG and MPEG4 on MD-300Np-360.
    c. 50xA: It does not support talk on MD-500Ap-360
    d. 50xA: It does not support MD when format is MJPEG and MPEG4 on MD-500Ap-360.
7. Forenix:
    a. It does not support UPnP and auto detection.
    b. Camera will crash if open camera web under win XP.
    c. The setting of brightness was wrong via CGI command. It will sync setting of grayscale.
    d. The sound is weak with audio under format G.726.
8. Etrovision:
    a. N71U-ML, N50U-ML, N51U-ML and N50A-ML
        i. Only support focus and zoom.
        ii. It is noise with audio.
        iii. Only support motion under H.264.
        iv. Not support talk.
        v. Dual stream will disconnect if main stream sets MPEG4, 1080P and FPS over 20.
    b. EV8582U-BL

         i.   Only support motion under H.264.

9. Zavio:

    a.   Not support audio in.

10. Arecont:

    a.   AV2455DN (fw65220) would reboot after connecting DO port.

    b.   AV2455DN (fw65220) cannot reach 30fps due to camera performance issue.

11. Honeywell:

    a.   H3D2F: Only support Zoom and Focus, not support Pan and Tile. (Mainconsole)

    b.   H3D2F: Only support Zoom, not support Pan and Tile. (NVRmini 2, NVRsolo, Titan NVR)

Bug Fixed the bug thated:

Mainconsole:

1. [Onvif/Onvif] Fixed the bug that the issue that it will cause Mainconsole crash when get incorrect preset name.
2. [DLinkCN] Fixed the bug that the issue that it will not work on Pan, tilt with DCS-H90-31D2.
3. [D-Link] Fixed the bug that DI/DO fail issue with DCS-6915.
4. [Hikvision] Fixed the bug that the issue that it will cause crash when get incorrect RTSP video packet.

NVRmini 2:

1. [D-Link] Fixed the bug that dual stream disconnect issue on DCS-5010L.
2. [Samsung] Fixed the bug that the issue that the motion detection does not work on SNO-7082.
3. [Vivovtek] Fixed the bug that VS8801 dual stream incorrect channel display issue.
4. [Axis] Fixed the bug that P5532-E dual stream disconnect issue.
5. [Hikvision] Fixed the bug that the issue that it will cause crash when get incorrect RTSP video packet issue.

NVRsolo:

1. [Samsung] Fixed the bug that the issue that the motion detection does not work on SNO-7082.
2. [Vivovtek] Fixed the bug that VS8801 dual stream incorrect channel display issue.
3. [Axis] Fixed the bug that P5532-E dual stream disconnect issue.
4. [Hikvision] Fixed the bug that the issue that it will cause crash when get incorrect RTSP video packet issue.

Titan NVR:

1. [Fine] Fixed the bug that dual stream disconnect on WB-H814 issue.
2. [Samsung] Fixed the bug that the issue that the motion detection does not work on SNO-7082.
3. [Vivovtek] Fixed the bug that VS8801 dual stream incorrect channel display issue.
4. [Axis] Fixed the bug that P5532-E dual stream disconnect issue.
5. [Hikvision] Fixed the bug that the issue that it will cause crash when get incorrect RTSP video packet issue.

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Release Version v2.17.1 (2013/09/30)

Modules:

    Device Pack   v 2.17.1

Supported Systems:

    NVRmini 2   v 1.7.1 and above

    NVRsolo   v 1.1.1 and above

    Titan NVR   v 1.6.2 and above

Bug Fixed the bug thated:

    NVRmini 2:
      2. Fixed the bug that that ACTi camera dump issue.
    NVRSolo:
      1. Fixed the bug that that ACTi camera dump issue.
    Titan NVR:
      1. Fixed the bug that that ACTi camera dump issue.

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Release Version v2.17.0 (2013/09/26)

Modules:

    Device Pack   v 2.17.0

Supported Systems:

Mainconsole	v 4.1.12 and above
NVRmini 2	v 1.7.1 and above
NVRsolo	v 1.1.1 and above
Titan NVR	v 1.6.2 and above

New Camera Supported:

Axis	M7010, P1214, P3353 and Q7411
Dlink	DCS-7413 B1
DlinkCN	DCS-N20M-10H2, DCS-N30M-51H2, DCS-N40M-53H2, DCS-N70M-20H2, DCS-N40M-32H2, DCS-V30M-50H, DCS-V30M-51H, DCS-V40M-32H, DCS-V40M-33H, DCS-V70M-20H, DCS-V70M-21H, DCS-V70M-50H and DCS-N70M-50H2
InscapeData	NVC3033H-DN and NVC360H-DN-IR
Levelone	FCS-5061, FCS-3101 and FCS-4101
Panasonic	BB-ST162, BB-SW172, BL-VT104W, BL-VP164W, DG-SF132, DG-SP102 and WV-SF438 (fisheye camera)
Samsung	SNP-5300, SNP-6200RH
Sony	SNC-CX600W, SNC-VB600B, SNC-VM600B and Generic
Vivotek	IP8130, IP8130W, IP8131, IP8131W and SD8363E

FW upgrade:

Arecont	AV1115, AV1125, AV1145, AV1255, AV2115, AV3115, , AV3125, AV5125, AV10115, AV10255 (FW 65218), AV3116 (FW 65219), AV5155 (FW 65152), AV8365, AV20185 and AV20365 (FW 65183)
Dlink	DCS-2310L (FW v1.01.10)
Panasonic	WV-SF132, WV-SP102 (1 Application: 1.81, 2 Image date:1.03), WV-ST162, WV-SW172 (1 Application: 1.81, 2 Image data: 1.04)

| **Sony** | SNC-VB630 (FW 1.7.0) |
| **Vision Hitech** | Vision M3i (FW 1.1.2.46), Vision SM3Ti (FW1.1.4.1 20130816) and Vision Mi(FW 1.1.2.46) |

Notice:

1. Feature added:

   a. Support Samsung camera search tool.

      Testing model:

      1. SNB-3002 / SND-3082/F / SNV-3082

      2. SNB-7002 / SND-7082/F / SNV-7082 / SNO-7082R

      3. SNV5080R

      4. SNO5080R

      5. SNB-5000A / SND5080F / SNV5080

      6. SNP-5300

      7. SNP-6200RH

   b. Dual Stream default format change to H.264 for Arecont camera and Vivotek camera.

   c. For Mini2/Solo/Titan, Arecont cameras do not use TFTP to get stream. Always use RTSP or HTTP method to get stream.

   d. Samsung dual stream structure changed. When main stream format is H264, dual stream format will be MJPEG. When main stream format is MJPEG, dual stream format will be H264.

2. Known issue:

   a. It cannot use G726 16kbps on Panasonic talk function.

   b. VisionHitech

      1. VISION M3Ti

         i. It can not use Autofocus function. (camera firmware issue)

         ii. It will not support audio setup. (camera firmware issue)

      2. VISION M3i

         i. It can not support Quality with MJPEG. (camera firmware issue)

         ii. The real FPS could not reach original value on Web when setup maximum setting of camera parameters, for example setting is H.264 within 1920x1080, 30 fps, and 7 quality but can get 15 fps only; setting is MJPEG within 1280x720, 30fps but can get 5~6 fps only.

      3. VISION Mi

         i. It will not support audio setup. (camera firmware issue)

         ii. It can not support Quality with MJPEG. (camera firmware issue)

   iii. The real FPS could not reach original value on Web when setup maximum setting of camera parameters, for example setting is H.264 within 1920x1080, 30 fps, and 7 quality but can get 15 fps only; setting is MJPEG within 1280x720, 30fps but can get 5~6 fps only.

 c. Levelone

  1. FCS-3101 and FCS-4101

   i. Not support video parameter. (camera firmware issue)

   i. Not support bitrate 20Kbps.

  2. FCS-5061

   i. It will have talk audio with noise under win XP system issue.

   ii. With the maximum value of video settings (fps, bitrate) change protocol will cause MainConsole crash.

 d. Arecont

  1. When use firmware 65218 Arecont camera needs to be used in close-network.

  2. Arecont camera might not meet the frame setting due to camera performance.

  3. Arecont camera's dual stream bitrate might be larger than 500kbps due to high resolution.

Bug Fixed the bug thated:

 Mainconsole:

  1. Fixed the bug that that RTSP timeout causes Samsung camera disconnect issue.

  2. Fixed the bug that that Panasonic BL-VT164 cannot use PTZ issue.

  3. Fixed the bug that that DynaColor V6 disconnect issue.

  4. Fixed the bug that that Zavio P5111, P5116, P5210 PTZ speed range is not synchronize between camera setting and web.

 NVRmini 2:

  1. Fixed the bug that that RTSP timeout causes Samsung camera disconnect issue.

 Titan NVR:

  1. Fixed the bug that that Samsung SNP-3302/H cannot use PTZ issue.

  2. Fixed the bug that that Hikvision Generic cannot use focus function issue.

  3. Fixed the bug that the issue that original stream will disconnect when switch between original and low/minimized stream.

Release Version v2.16.0 (2013/08/26)

Modules:

    Device Pack   v 2.16.0

Supported Systems:

Mainconsole	v 4.1.12 and above
NVRmini 2	v 1.7.1 and above
NVRsolo	v 1.1.1 and above
Titan NVR	v 1.6.2 and above

New Camera Supported:

3S	N5012
Arecont	AV2255AM and AV5255AM
Bosch	NBC-225-P, NDC-225-PI, NBC-255-P, NDC-255-P, NTC-255-PI, NBC-265-P, NDC-265-P, NDN-265-PIO, NBC-274-P, NBC-274-PT and NBC-274-PM
Dlink	DCS-6004L, DCS-6005L
DlinkCN	DCS-H70-21D/M
Eneo	PXB-2080Z03 and PXD-2080Z03
Grundig	GCI-H2505B, GCI-K0589T(H), GCI-K0779P, GCI-K1523VS, GCI-K1526VS, GCI-K1585V, GCI-K1586V and GCI-K2505B
Milesight	MS-C2351, MS-C2361, MS-C2362, MS-C2372, MS-C2451, MS-C2471, MS-C2651, MS-C2661, MS-C2662, MS-C2671, MS-C2672, MS-C2681, MS-C2682, MS-C2951, MS-C3351, MS-C3356, MS-C3361, MS-C3362, MS-C3366, MS-C3372, MS-C3376, MS-C3651, MS-C3656, MS-C3658, MS-C3661, MS-C3662, MS-C3666, MS-C3671, MS-C3672, MS-C3673, MS-C3676, MS-C3678, MS-C3681 and MS-C3682
Panasonic	BL-VP101, BL-VP104 and BL-VT164
Samsung	SNO-6084 and SNV-6084
Sunell	Generic model
Vivotek	AF5127, AF5127V, SF8172, SF8172V, FE8172V (the above models are fisheye camera . SF8172 and SF8172V support PPTZ), AB5353H

FW upgrade:

Arecont	AV1255 (FW 65218), AV3255 (FW 65218), AV5115DN (FW 65218), AV8185DN (FW 65183) and AV8365DN (FW 65183)
CNB	IDC 4000T(FW T1-1.0.13.0424) and INS 2000 (FW XNET.A1-2.01.13.0204)
Dlink	DCS-2103 (FW 1.20), DCS-2130 (FW 1.20), DCS-2210 (FW 1.20) and DCS-2230 (FW 1.20)
Everfocus	EVS-410 (Firmware upgrade to v1.0.21)
Samsung	SND-3082, SND-3082/F and SNB-3002 (snb3002_Series_2.10_130416), SNV-5080R (FW snv5080r_3.10_130416), SNO-5080R (FW snb5000_Series_3.10_130416) and SND-5080F, SNB-5000A and SNV-5080 (FW snb5000_Series_3.10_130416) and SNB-7002, SNV-7082, SND7082/F and SNO-7082R (FW snb7002_series_1.06_130402), SNB-6003, SNB-6004, and SND-6083 (FW snb6004_Series_1.00_130412)
Sunell	IPS54-70DN-ZR18, SN-IPC54-40EDN and SN-IPD54-12VDN

Enhancement:

1. Samsung: For SNP-5200 and SNP-6200 change the default speed to 3 or 4.

Notice:

1. Feature added:
   a. Dual Stream default format change to H.264 for Axis MPQ series camera, Vivotek Generic model and new supported camera above (except support by design camera).

2. Known issue:
   e. For Samsung SNB-7002, SNV-7082, SND7082/F and SNO-7082R, it will have no image issue via RTSP when Frame rate sets to 1.
   f. For Samsung SND-3082, SND-3082/F and SNB-3002, it cannot setup video parameter: brightness.

g. For Samsung SNB-7002, SNV-7082, SND7082/F and SNO-7082R, the resolution will be 800*448 & 320*176 when sets to 800*450 & 320*180.

h. For Samsung all cameras: Video GOP appear as 1 ~15, but the value actually will be 1 ~149 in web.

i. For Everfocus EVS410

    1. It can setup MJPEG high resolution only up to 10 fps.

    2. Not support RS-485 PTZ.

j. For Sunell Generic

    1. Focus, Talk function are not test with NUUO product.

    2. The maximum resolution is depending on camera.

    3. It cannot set some framerate and bitrate due to Onvif limitation.

    4. Camera firmwave must be v1.6_build044014_148 or above then can use generic model.

k. For Grundig GCI-K1586V, GCI-K0779P, GCI-K2505B

    1. It will have audio noise issue when camera resolution is 1920x1080 or Q factor is 70.

    2. It will fail when Get camera parameter resolution is 1920x1080 or Q factor is 70.

    3. GCI-K2505B framerate setting will fail when select TV system Autoir option WDR 25fps, autoir25fps and WDR 30fps.

l. For CNB INS2000

    1. Not support Digital input(DI). (camera firmware issue)

    2. Dual stream format could be MJPEG, MPEG4 or H.264. It will be same as main stream format

    For CNB IDC4000T

    1. It will show incorrect bitrate "1M" when sets Video MPEG with CBR in 4000 bitrate on camera web.

    2. It will trigger DO simultaneously when trigger DI.

    3. Dual stream default format is MPEG4.

m. For D-Link DCS-2103

    1. It will not support Talk function on camera web and MainConsole. (camera firmware issue)

n. For Milesight MS-C2351, MS-C2361, MS-C2362, MS-C2372, MS-C2451, MS-C2471, MS-C2651, MS-C2661, MS-C2662, MS-C2671, MS-C2672, MS-C2681, MS-C2682, MS-C2951, MS-C3351, MS-C3356, MS-C3361, MS-C3362, MS-C3366, MS-C3372,

MS-C3376, MS-C3651, MS-C3656, MS-C3658, MS-C3661, MS-C3662, MS-C3666, MS-C3671, MS-C3672, MS-C3673, MS-C3676, MS-C3678, MS-C3681 and MS-C3682 FW issue:

1. It cannot use RateControl.
2. It cannot trigger Motion and DI in the same time.
3. It will have no response when send cgi commend.
4. It will not support UPnP.
5. There is one level of difference between video parameter and camera web on Mainconsole.

o. For Milesight MS-C3651

1. It will not support Digital input(DI). (camera firmware issue)

p. For Milesight MS-C3658

1. It will show wrong frame rate value on Mainconsole when change resolution from 2560x1920 to other resolution.

q. For 3SVision N5012

1. It will always show HTTP port 80 when use UPnP search.

r. For Arecont models

1. AV5155, AV5255, AV2255 need to be connected in close-network. It will operate abnormally in open-network.
2. AV5255, AV2255 not support audio function due to camera firmware issue.
3. AV5255, AV2255 will have broken image when use H264 (TCP/UDP) with high bitrate setting (>16384).
4. AV8185DN and AV8365DN
   - Four channels need to use the same protocol and format.
   - The image will flash when the main stream is MJPEG and use dual stream.

s. For Vivotek SF8172 and SF8172V

1. Due to camera CPU decode performance issue, the first 1080p stream can reach up to 30 fps, but the second 1080p stream cannot.

Bug Fixed the bug thated:

Mainconsole:

5. Onvif: Fixed the bug that the issue that enable auto reboot, sometimes it does not start the recording schedule.

NVRmini 2:

1. Vivotek: Fixed the bug that FE8172V auto detect issue.

Titan NVR:

4. Fixed the bug that the issue that Generic RTSP model will disconnect in NuClient live view but it is still recording.

5. Fixed the bug that the issue when reboot Titan NVR, the IP cameras will disconnect and do not record.

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Release Version v2.15.0 (2013/07/29)

Modules:

    Device Pack   v 2.15.0

Supported Systems:

Mainconsole	**v 4.1.12 and above**
NVRmini 2	**v 1.7.0 and above**
NVRsolo	**v 1.1.0 and above**
Titan NVR	**v 1.6.1 and above**

New Camera Supported:

Dlink	DCS-3511, DCS-3530, DCS-5010L, DCS-5020L, DCS-5211L, DCS-5222L, and DCS-6314
DlinkCN	DCS-H70-21D/M
Eneo	PXB-1080Z03, PXB-2080Z03IR and PXB-3080Z20
Forenix	C2002, C2002-W, D2000-FD3, D2000-VD3, D2000-VP2, FBU-200LWD, FBU-300LWD, FDM-300LWD, FVD-200LWD, FVD-200LWD, FVD-300LWD, T2000-FB1, T2000-FB2, T2000-VB3, VQ2100, VQ2200, VQ2210C, VQ2300 and VQ2310
LG	LND7300, LNP2810T, LNU5100R, LNV5100R and LNV7300
Sony	SNC-ER585
Vitek	VT-20VN-M, VTC-IR401, VTC-IR402, VTD-134FNIB, VTD-134FNIBP, VTD-134FNIWP, VTD-13FN, VTD-13V210NIB, VTD-13V210NIBP, VTD-13V210NIW, VTD-13V210NIWP, VTD-20V210NIB, VTD-20V210NIBP, VTD-20V210NIW, VTD-MV13V210NBP, VTD-MV13V210NP, VTD-MV13VR210NBP, VTD-MV13VR210NP, VTD-MV20V210NBP, VTD-MV20V210NP, VTD-MV20VR210NBP, VTD-MV20VR210NP, VT-PTZ220 and VT-PTZ220NP

Vivotek	FD8133V, FD8166 and FE8173 (fisheye camera)
Zavio	D7510
3M	ANPR

FW upgrade:

ACTi	ACD2000Q (FW v3.04.06-AC), KCM-3911 and KCM-7911 (FW 5.10.02)
Arecont	AV2115DN (FW 65218) and AV3116DN (FW 65219)
Dynacolor	Nv223 (add motorize zoom function detect) (FW z120130417NSA)
Everfocus	EHN3260 (v1.2.2)
Fine	CDV-2M360(VB1.0.32_F, fisheye camera),
	CDV-5VM501(HD_VC1.0.18_F) and TCP-HDVB800(VC1.0.18)
Grandstream	GXV-3501 (add preset function on Mainconsole)
Vivotek	VS8401 (add dual stream) (0201b)
Zavio	P5111 and P5116 (M2.1.6.02)

Notice:

3. Feature added:

    b. Add preset function on Grandstream GXV3501/GXV3504.

4. Known issue:

    t. Fine

        1. CDV-5VM501

            i. It will have Image broken issue with MJPEG in 2592x1944 and 2048x2048 via RTSP

            ii. Unstable stream with H.264 via RTSP

    u. Sony SNC-ER585

    It will have image broken issue with MPEG4 texture during resolution switch. (Titan NVR)

    v. ACTi ACD2000Q

        1. Not support framerate 8 due to camera firmware issue.

    w. Eneo PXD-2080Z03IR

        1. Only support RTSP port 554 due to camera firmware issue.

        2. Only integrate NTSC mode due to camera firmware issue.

        3. It will have discontinuous issue on audio when fps under 1.

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4.   Camera framerate may not enough under high resolution, framerate and quality settings.

5.   Not support brightness, contrast and saturation due to camera firmware issue.(IP+)

x.   Vitek

1.   VTC-IR401, VTC-IR402

i.   Only support RTSP port 554 due to camera firmware issue.

ii.   Only integrate NTSC mode due to camera firmware issue.

iii.   It will have discontinuous issue on audio when fps under 1.

iv.   Camera framerate may not enough under high resolution, framerate and quality settings.

v.   Not support UPnP due to camera firmware issue.

vi.   Not support brightness, contrast and saturation due to camera firmware issue.(IP+)

2.   VTD-13FN, VT-20VN-M, VTD-134FNIB, VTD-134FNIBP, VTD-134FNIWP, VTD-13FN, VTD-13V210NIB, VTD-13V210NIBP, VTD-13V210NIW, VTD-13V210NIWP, VTD-20V210NIB, VTD-20V210NIBP, VTD-20V210NIW, VTD-MV13V210NBP, VTD-MV13V210NP, VTD-MV13VR210NBP, VTD-MV13VR210NP, VTD-MV20V210NBP, VTD-MV20V210NP, VTD-MV20VR210NBP and VTD-MV20VR210NP

i.   Only support RTSP port 554 due to camera firmware issue.

ii.   Only integrate NTSC mode due to camera firmware issue.

iii.   Camera framerate may not enough under high resolution, framerate and quality settings.

iv.   Not support UPnP due to camera firmware issue.

v.   Not support brightness, contrast, saturation due to camera firmware issue.(IP+)

3.   VT-PTZ220NP and VT-PTZ220

i.   Only support RTSP port 554 due to camera firmware issue.

ii.   Only integrate NTSC mode due to camera firmware issue.

iii.   Camera framerate may not enough under high resolution, framerate and quality settings.

iv.   It will have discontinuous issue on audio when fps under 1.

v.   Not support UPnP due to camera firmware issue

vi.   Preset, preset name and PTZ speed cannot synchronize to camera web due to camera firmware issue.

vii.   Not support brightness, contrast and saturation due to camera firmware issue.(IP+)

y.   3M

1.   ANPR only integrate MJPEG 1st stream video.

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z. Zavio

1. D7510

i. It will only support framerate 1~15.

ii. It will cause delayed image and broken voice when connect stream via RTSP over HTTP in high video quality.

2. P5116 and P5111

i. It will only support pan and tilt when use PTZ.

ii. It will not support audio when use AMR 7.95 format.

iii. The max framerate of MPEG4 and MJPEG is up to 20 FPS in 1280x800.

Bug Fixed the bug thated:

Mainconsole:

1. Fixed the bug that UDP NVC 1000 will disconnect randomly and show "connecting" all the time.

2. Fixed the bug that when click PTZ focus panel cause terminate abnormal issue.

3. Fixed the bug that terminate abnormal issue when use Onvif null-pointer.

NVRmini 2:

2. Fixed the bug that terminate abnormal when use Onvif null-pointer.

3. Fixed the bug that no video display by setting MJPEG and MPEG4 format with Vivotek FD8135H.

NVRsolo:

1. Fixed the bug that cannot connect to Eneo PXD-1020F02 issue.

2. Fixed the bug that when connect Santec SNC-3302, SNC-5312, SNC-5315, SNC-6202, SNC-6212IR and SNC-6312IRH will cause solo crash issue.

3. Fixed the bug that terminate abnormal when use Onvif null-pointer.

4. Fixed the bug that no video display by setting MJPEG and MPEG4 format with Vivotek FD8135H.

Titan NVR:

6. It will cause system terminate abnormal when connect with Bosch NTC 265PI/NDN-265PIO.

7. Fixed the bug that cannot connect Honeywell HDEZ20HDEX (firmware H20120808NSA) issue.

8. Fixed the bug that terminate abnormal when use Onvif null-pointer.

9. Fixed the bug that no video display by setting MJPEG and MPEG4 format with Vivotek FD8135H.

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Release Version v2.14.0 (2013/06/26)

Modules:

Device Pack	v 2.14.0

Supported Systems:

Mainconsole	v 4.1.0 and above
NVRmini 2	v 1.5.0 and above
NVRsolo	v 1.0.0 and above
Titan NVR	v 1.3.0 and above

New Camera Supported:

ACTi	D61, E25, E66 and KCM8211
Arecont	AV12186
Brickcom	20xp and 300N series
DigitalWatchdog	DWC-MPA20M
Dlink	DCS-6115, DCS-6315, Super Model
Everfocus	EMN 2320 and ETN 2110
Fine	C3000/C3000-W, CDV-3VM800, CDB-5VM551, CDB-MV1080F TCP-HP1080 and TCP-VM359
Samsung	SNB-6003, SNB-6004, SND-6083 and SND-6084
Vivotek	FD8363, FD8163 and Generic
Zavio	B7320 and F3210

FW upgrade:

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ACTi	D11, D12, D21, D22, D31, D32, D41, D42, D51, D52, D54, D55, D62, D64, D65, D71, D72, D81, D82, E11, E12, E13, E21, E22, E23, E24, E26, E31, E32, E33, E34, E41, E42, E43, E44, E45, E46, E51, E52, E53, E54, E55, E56, E61, E62, E63, E64, E65, E67, E71, E72 ,E73, E74, E81, E82, E83, E84, E85, E86, E87, E91 ,E92 (FW 6.03.17) and KCM8111(FW 5.10.02)
Vivotek	FD8161 (FW 0105b)

Notice:

5. Known issue:

c. ACTi

● For D and E series camera

Fixed the bug that the Fragment IP assembly timer handler panic to reboot.

● E13 and the certificate

It will disconnect with NUUO product abnormally.

● E84 and the certificate

If select resolution 640x360, it will have incorrect value on parameter setting.

d. Samsung SND-6083

The talk from the speaker is weak.

e. Fine

● CDB-5VM551

Not support MJPEG with resolution 2592x1944.

● CDV-3VM800

It will cause image broken, and drop frame when use MJPEG with highest fps, resolution and quality through TCP connection.

It will cause CPU heavy loading when use MJPEG with highest fps, resolution and quality through RTSP.

● TCP-HP1080

Received only half of fps with web setting

f. Digital watchdog

● Not support dual stream when select single stream for ONVIF setting at webpage.

● There is a valid resolution 320x0 in profile1 at MJPEG.

- The quality value does not synchronize with webpage quality value.

- It is invalid with frame rate 0.

- There are two port settings on camera web, web port and service port. When NUUO product and camera are located in the same network, you can use this web port as configuring port on NUUO product. If NUUO product and camera are located in different network, you must choose service port. "Go to web" function on NUUO product setting page might direct to the wrong url.

g. D-Link

- Super Model (Tested by DCS-2332L)

  It is incorrect with Resolution List and Bitrate List information.

  Quality mode switch does not support (CBR/Fixed the bug that quality)

h. Arecont

- AV12186

  DI cannot work.

i. EverFocus

- For EMN2320, no support MPEG4.

- For EMN2320, cannot switch CBR/VBR and only support VBR.

- For EMN2320, no support 720x480, 704x480 and 640x480 resolution.

- For ETN2110, motion detection is not compatible with MPEG4 codec because of camera firmware issue.

j. Zavio

- For F3210, Video resolution cannot change when only setup resolution.

- For F3210, the AMR mode of talk function cannot work.

Bug Fixed the bug thated:

Mainconsole:

4. Sometimes click liveview will cause Maincosole crash when using Onvif model.

5. It will fail when Arecont AV-8365DN change format from MJPEG to H264.

NVRmini 2:

1. Samsung 3082:

   (1) The resolution is not listed correctly under camera parameters.

   (2) The selected frame rate is not being achieved.

   (3) Latency in live view

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Release Version v2.13.0 (2013/05/27)

Modules:

Device Pack   v 2.13.0

Supported Systems:

Mainconsole	v 4.1.0 and above
NVRmini 2	v 1.5.0 and above
NVRsolo	v 1.0.0 and above
Titan NVR	v 1.3.0 and above

New Camera Supported:

ACTi	D22, D62, E13, E22, E23, E24, E26, E33, E34, E43, E44, E45, E46, E54, E63, E64, E65, E67, E73, E74, E83, E84, E85, E86 and E87
Arecont	AV3146 and AV3256
Centrix	Generic
CNB	ISMC1063P
DigitalWatchdog	MD421TIR
Dlink	DCS-942L
Dynacolor	Generic
Everfocus	EDN 1220, EDN 1320, EMN 2220, EPN 4220
Fine	ACM-B3000 and ACM-R3006, CDV-5VM501 and TCP-VM559
Guardeon	GDN-D3200IR, GDN-D3200V, GDN-F1300V, GDN-H1300IR and GDN- H3200IR
Network Camera	C3000 and C3000-W

JVC	VN-T16, VN-T216, VN-H657U and VN-H657WPU
Techson	TC-IP213WS
UDP	IPN100HD, IPN1202HD, IPN2102HD, IPN302HD, IPN3102HD, IPN3202HD, IPN3502HD, IPN3502HD, IPN3502HDIR, IPN6602HD, IPN6802HD, IPX3302HD, IPX3702HD, IPX4202HD and IPX4602HD
Vivotek	IP8152
Zavio	D7320

FW upgrade:

Eneo	GXC-1710M (upgrade to FW 2.11)

Notice:

6. Known issue:

k. ACTi For D and E series camera:

- NUUO recommend customers use CLOSE network environment as ACTi may shut down and restart automatically in some complex network environment.
- ACTi will continue to figure out the reason and help to solve this issue.
- The audio stream of E13 unstable sometimes, even though in VLC and web.

l. Centrix Generic model:

- The bitrate of dual stream cannot come to 500kbps when main stream setting is MJPEG and CIF.
- Parameter setting will fail when enable multi-stream and resolution higher than 1080p.
- Camera firmware must be cx20130506NSA or above then can use generic model.

m. DynaColor Generic model:

- Parameter setting will fail when enable multi-stream and resolution higher than 1080p.
- Camera firmware must be z120130417NSA or above then can use generic model.

n. Fine CDV-5VM501 not support UPnP search by camera firmware issue.

o. NetworkCamera C3000 and C3000-W not support UPnP search by camera firmware issue.

p. TC-IP213WS:

- Can not trigger motion alarm under H.264 1fps.
- Can not search camera by UPnP when change http port except 80.
- H.264 fps may not enough under TCP connection in high quality and frame rate settings.

q. Digital Watchdog MD421TIR

- Not support Zoom, Focus, Talk and VideoParamSetting(MainConsole only)
- Not support dual stream when select single stream for ONVIF setting at webpage.
- Setting frame rate to 0 did not work.
- MJPEG with resolution 320x240 is invalid.
- Quality value is not synchronized with webpage.
- There are two port settings on camera web, web port and service port. When NUUO product and camera are located in the same network, you can use this web port as configuring port on NUUO product. If NUUO product and camera are located in different network, you must choose service port. Or "go to web" function on NUUO product setting page might direct to the wrong URL.

r. CNB ISMC1063P

- Not support audio codec G.726 when using TCP connection.

s. Arecont AV3146DN-3310-D and AV3256PM

- The streaming has low FPS under high quality.

t. JVC VN-H657U

- Firmware Issue: MJPEG video stream is unstable over high resolutions such as 1920X1080, 1280x720.

u. JVC VN-T16U

- Firmware Issue: MJPEG video stream is unstable over high resolutions such as 1920X1080, 1280x720.
- Firmware Issue: The Encoder parameters may not sync camera web.

v. JVC VN-H57

- Firmware Issue: MJPEG video stream is unstable over high resolutions.

w. JVC VN-H137

- Firmware Issue: H264 video stream is unstable over low frame rate.

x. Zavio D7320

● Talk function cannot work due to firmware issue.

● When change the HTTP port from 80 into 8080, camera send IP address which including parentheses, such as [192.168.1.66].

● When setting highest video setting with H.264, the fps could not reach up to 20.

y. UDP

● When used UPnP search, if changes the HTTP port from default 80 into 8080 and reboot the camera, it does not carry any port information with reply message.

● IPN3502HD

   i. When setting highest video setting in main stream, the second stream will unstable and cannot work both in H.264 and MJPEG.

● IPX4202HD

   i. cgi load failure: #402

   ii. Audio with choppy in higher video setting

   iii. Motion detection cannot disable once it trigger

   iv. Unstable stream with highest video setting, sometimes does not work.

z. EverFocus EDN1220, EDN1320, EMN2220 and EPN4220

● Not support MPEG4.

● Can not switch CBR/VBR and only support VBR.

● EDN1320 no support 720x480, 704x480 and 640x480 resolution.

aa. Vivotek IP8152

● CGI returns a wrong PTZ capability.

Bug Fixed the bug thated:

Mainconsole:

6. Hikvision 8254: support third stream, preset function can not synchronize with Mainconsole.

7. Hikvision DS-6716HWI: Can not connect the camera except channel 1(Generic).

8. Grandstream GXV3501: Remove "Clean All" Button from Add Preset Point.

NVRmini 2:

2. Hikvision 8254: Preset function can not synchronize with NVRmini2.

3. Hikvision DS-6716HWI: Can not connect the camera except channel 1(Generic).

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Titan NVR:

1. Hikvision 8254: Preset function can't synchronize with Titan NVR.

2. Hikvision DS-6716HWI: Can not connect the camera except channel 1(Generic).

NVRSolo:

1. Yodor YUC-H626: Can not auto detect this model.

Release Version v2.12.0 (2013/04/29)

Modules:

Device Pack	v 2.12.0

Supported Systems:

Mainconsole	v 4.1.0 and above
NVRmini 2	v 1.5.0 and above
NVRsolo	v 1.0.0 and above
Titan NVR	v 1.3.0 and above

New Camera Supported:

ACTi	D11, D12, D21, D31, D32, D41, D42, D51, D52, D54, D55, D64, D65, D71, D72, D81, D82, E11, E12, E21, E31, E32, E41, E42, E51, E52, E53, E55, E56, E61, E62, E71, E72, E81, E82, E91 and E92
Axis	M3007 (fisheye camera)
CNB	IBP5030CR, IDC4050F, IDC4050IR, IDC4050VF, IDC4050VR, IDP4030VR, IDP5035VR, IGC2050F, IGP1030, IGP2035F, ISS4032Z28W, IVC5055VR, IVP4030VR, IVP5035VR, IXC2050IR, IXP3035VR, NGE2055F, NXE3055VR, NXE3055MR, NDE5055MF, NVE5055VR, NVE5055MF and NDE5055VR
Dahua	IPC-HDBW3101, IPC-HDB3101 and IPC-HFW3101C
Dlink	DCS-2332L, DCS-3715, DCS-3716, DCS-6010L (fisheye camera), DCS-6616, DCS-6817B1, DCS-6915 and DCS-7513
Etrovision	EV8180A, EV8580A, EV8581A, EV8780A, EV8781A and EV8782A
Fine	ACM-V3002
Hikvision	DS-2CD2012-I, DS-2CD2112-(I), DS-2CD2212-I5 and DS-2CD2312-I
i-Mege	B3210E, G2212E, G2213E, G2214H, G3211E, N3211E and V2211E

Network Camera	3MP_BOX, 3MP_FD, 3MP_IR and 3MP_VD
On Electronics	CFB-10MP (IP+ only), CFB-13MP, CFB-20MP, CFB-30MP, CFV-20MP/LIR35 (IP+ only) ,CFV-13MP/LIR35, MDV-10MP (IP+ only), MDV-20MP, MDV-20MP-AV (IP+ only), MDV-30MP, MDV-30MP-AV (IP+ only), MDV-13MP/LIR20 (NAS only)
Planet	ICA-H652-PA-220
Saerim	SR-IDC4050IR, SR-IDC4050VR, SR-IDC4050F, SR-IGC2050F, SR-IVC5055VR, SR-IDC4050VF, SR-IXC2050IR, SR-IGP2035F, SR-IDP4030VR, SR-IXP3035VR, SR-ISS4032Z28W, SR-IVP4030VR, SR-NGE2055F, SR-NXE3055VR, SR-NXE3055MR, SR-NDE5055VR, SR-NDE5055MF, SR-NVE5055VR, SR-NVE5055MF
Sunell	SN-IPV54/31UDN, SN-IPC54/31EDN, SN-IPR54/31AKDN, SN-IPR54/31APDN SN-IPD54/31VDN, SN-IPD54/31VDR, SN-IPV54/31ZDR, SN-IPV54/31UDR, SN-IPC54/14EDN, SN-IPR54/14AKDN, SN-IPR54/14APDN, SN-IPD54/14VDN, SN-IPD54/14VDR, SN-IPV54/14ZDR and SN-IPV54/14UDR
Vivotek	PD8136
Zavio	D5210 and D7210

FW upgrade:

Bosch	NTC-265-PI and NDN-265-PIO (upgrade to FW 5.70.0311)
Levelone	WCS-6020 (upgrade to FW 1.1.4.1) and WCS-6050 (upgrade to FW 1.0.4.2)
Santec	SNC-3302, SNC-3305, SNC-5312IR, SNC-5315IR, SNC-6202, SNC-6212IR, SNC-6302, SNC-6312IRH and SNC-6315IRH (upgrade to FW 1.0.2.332)
Samsung	SND-5010, SNB-5001, SND-5011, SND-5061, SNB-7001, SNB-7002, SND-7011, SND-7061, SND-7082 and SNV-7082 add bitrate option on H.264 3072/5120/6144/7168/9216/11264/12288/13312/14336

Notice:
7. Known issue:
    bb. ACTi For D and E series camera:
    ● NUUO recommend customers use CLOSE network environment as ACTi may shut down and restart automatically in some complex network environment.

- ACTi will continue to figure out the reason and help to solve this issue..

cc. iMege G2212E : If http port does not 80, UPnP search will fail.

dd. LevelOne WCS-6020, WCS-6050

- When select high resolution, camera's frame rate will less than 30fps.
- PTZ Home will stop when disable the home button at titan.
- Image broken at high resolution.
- Not support AAC codec.

ee. D-Link

- DCS-3715
  i. Sometimes video setting can't get the correct parameters2. Camera web setting is very unstable and got slowly respond, especially in higher video parameter
  ii. When 1920x1080, 25 fps, and 8M bitrate, will get incorrect parameter or long respond time
  iii. cgi respond slowly.
- DCS-6817B1
  i. PTZ Autopan does not work
  ii. When enable mic only, the camera does not send any audio package.
- DCS-6915
  i. Not support talk
- DCS-2332L
  i. In H.264 format, setting 1 fps and under 512kbps with max resolution cause unstable connection.

ff. Dahua

- IPC-HDBW3101, IPC-HDB3101 and IPC-HFW3101C
  i. FW issue, bit rate range is different between camera web and response to cgi.

gg. Hikvision

- DS-2CD2012-I
  i. DS-2CD2012-I FW issue: not support PTZ function but web setting can enable this option.

hh. Planet

- ICA-H652-PA-220
  i. Camera response slow.
  ii. IO triggle time will delay about 3 secs.
  iii. Audio has some noise in web site.

ii. Santec

- SNC-6302, SNC-3305, SNC-63115IRH
  i. M-JPEG on high resolution and quality may not get parameter.

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ii. Audio has some noise in high resolution.

jj. Sunell SN-IPV54/31UDN:

● FW issue: Camera will reboot when MJPEG 2048x1536, 1920x1080 and quality 9.

kk. Bosch NDN-265-PIO:

● It can't set resolution below 1280x720 when stream2 property set to "Copy Stream 1".

● When H.264 quality is set to "0", the camera will Auto-adjust the quality setting. For minimum quality, the value should be "100".

● Audio AAC can't work due to NUUO platform issues.

ll. Etrovision EV8180A, EV8580A, EV8581A, EV8780A, EV8781A and EV8782A

● Not support Talk.

● With four profiles mode only support resolution 640x480. (camera limitation)

● Not support MPEG4 in NVRmini 2/NVRsolo/TitanNVR.

● Motion Detection only works on H.264.

● It needs to reboot after changing HTTP port.

mm. Fine ACM-B3000, ACM-V3001, ACM-V3002, ACM-R3002

● MJPEG only support when MPEG4/H264's resolution is lower than 1280x720 in Mainconsole.

nn. CNB

● IGC2050F, IDC4050F, IDC4050IR, IDC4050VF, IDC4050VR, IVC5055VR and IXC2050IR

    i. FW issue: cannot set bitrate 128kbps when the resolution is D1 or VGA.

    ii. When selects MJPEG, 1fps, the actually received fps is 6.

● IGP1030, IBP5030CR, IVP4030VR and IDP4030VR

    i. In the MJPEG format, the fps is not enough when resolution is XGA or SXGA.

● IGP2035F, IDP5035VR, ISS4032Z28W, IVP5035VR, IXP3035VR

    i. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue.

● NGE2055F, NDE5055MF, NDE5055VR, NVE5055MF, NVE5055VR NXE3055MR, and NXE3055VR

    i. Not support UDP connection.

    ii. Video connection cannot establish when the setting of bitrate is 9M or 10M.

oo. Saerim

● SR-IGC2050F, SR-IDC4050F, SR-IDC4050IR, SR-IDC4050VF, SR-IDC4050VR, SR-IVC5055VR and SR-IXC2050IR

    i. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue.

    ii. When it selects MJPEG, 1fps, the actually received fps is 6.

● SR-IGP2035F, SR-IDP4030VR, SR-ISS4032Z28W, SR-IVP4030VR, and SR-IXP3035VR

    i. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue.

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- SR-NGE2055F, SR-NDE5055MF, SR-NDE5055VR, SR-NVE5055MF, SR-NVE5055VR, SR-NXE3055MR, and SR-NXE3055VR

    i. Not support UDP connection.

    ii. Video connection cannot establish when the setting of bitrate is 9M or 10M.

pp. Zavio D5210 and D7210

- The audio function of AMR7.95 cannot work.
- The talk function with AMR codec cannot work.
- The max frame rate of MPEG4 is up to 20 FPS in 1280x800. It is the limitation of hardware.

Bug Fixed the bug thated:

Mainconsole:

9. Forenix_ACDV-3VM501: can't not choose h264 video format, cause by auto detect incorrect vendor and model name in DP 2.7 and behind, solve by add model name in corresponding function.

10. Samsung SPE-100: Incorrect maximum fps support.

NVRmini 2:

4. VisionHitech Mi series can't connect.

Titan NVR:

3. Hikvision_DS-6101HFI-IP: LiveView do not have image.

4. Hikvision_DS-2CD752MF-FB: LiveView do not have image when change stream profile from original to low or min.

5. VisionHitech Mi series can't connect.

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Release Version v2.11.0 (2013/03/26)

Modules:

Device Pack	v 2.11.0

Supported Systems:

Mainconsole	v 4.1.0 and above
NVRmini 2	v 1.5.0 and above
NVRsolo	v 1.0.0 and above
Titan NVR	v 1.3.0 and above

New Camera Supported:

ACTi	KCM8111
ADT	ADT-VSDVS-4C, ADT-VSDVZ5MP-VF3090IRI and ADT-VSDVZ5MP-VF3090IRO
American Dynamics	ADCi600-D131
Bosch	NDC-225, NWC-455, NWC-495, NWD-455, NWD-495 and VIP-X1XF-E
CNB	IDC4050VR, IDP5035VR, IVC5055VR, IVP5035VR, IXC2050IR, IXP3035VR, NDE5055VR, NVE5055VR and NXE3055VR
Dlink	DCS-2136L, DCS-3010, DCS-5010L
Dlink CN	DCS-N70M-21H3, DCS-V70M-21H2, DCS-V70M-11H, DCS-N40M-22H3, DCS-V40M-12H, DCS-V40M-32H2, DCS-N31M-21H3, DCS-V30M-51H2, DCS-N62-40H2, DCS-N40M-81H3
Etrovision	EV8180Q-XD and EV8782Q-BD
Fine	ACM-R2001, CDB-MV720F, CDV-P360 (Fisheye camera, support on Mainconsole only), TCP-HFB720
Hikvision	Generic model support second stream
LevelOne	FCS-1132, FCS-3052, FCS-5052 and FCS-5062
Saerim	SR-IDC4050F, SR-IDC4050VR, SR-IDP4030VR, SR-IGC2050F, SR-IGP2035F, SR-NDE5055VR, SR-NGE2055F, SR-NVE5055VR ,SR-IXP3035VR and SR-NXE3055VR
Sunell	SN-IPC54/40EDN, SN-IPD54/40VDN, SN-IPR54/40AKDN, SN-IPR54/40APDN,

	SN-IPV54/40UDN and SN-IPV54/40UDR
Techson	TCIP-Typ213MDN22x
Zavio	F3102, F3107, F3115

FW upgrade:

Sony　　　　　　　SNC-CH210 (FW v1.78) , SNC-CH260 (FW v1.78), SNC-DH120 (FW v1.78) and SNC-ER550 (FW v1.78)

Notice:

8. Known issue:

   qq. American Dynamics ADCi600-D131

- Not support UPnP search.
- Not support motion detection at MJPEG mode.

   rr. Fine CDB-MV720F

- Frame rate cannot reach 30fps.

   ss. Fine ACM-R2001

- Frame rate may not enough about 2~8 fps because of camera design.

   tt. Sunell SN-IPC54/40EDN

- MJPEG 2592x1920 will image broken due to camera FW issue.
- Camera will reboot when MJPEG 2048x1536 and quality 9 due to camera FW issue.

   uu. Sunell VSR54/01

- MJPEG 2592x1920 will image broken due to camera FW issue.
- DI can't work correctly due to camera FW issue.

   vv. Etrovision EV8180Q-XD, EV8782Q-BD

- Not support Talk.
- Under four profile mode only support resolution 640x480. (camera limitation)
- Not support MPEG4 in NVRmini 2/NVRsolo/TitanNVR.
- Motion Detection only works on H.264.
- It needs to reboot after changing HTTP port.

   ww.　　　　　　　LevelOne FCS-1132, FCS-3052, FCS-5052, FCS-5062

- The Motion Detection of MPEG4 is error.
- In Night mode, the Saturation cannot set. It is FW issue. (FCS-5062)

   xx. Sony SNC-CH210, SNC-CH260, SNC-DH120, SNC-ER550

- Dual stream cannot enable when H.264, 30fps, 1280x720(SNC-CH210, SNC-DH120, SNC-ER550) or H.264, 30fps, 1920x1080(SNC-CH260) is selected for Image1.
- The number of connection is 1 for JPEG and 2 for H264 and MPEG4 at the same time.
- The PTZ function only support zoom in/out, focus near/far and auto focus function. (SNC-CH260, SNC-DH120)
- The connection cannot established with high probability when selected JPEG, high resolution and high quality. (SNC-DH120, SNC-ER550)

yy. Zavio F3102, F3107, F3115

- Under AMR 7.95 mode cannot use talk and audio function.
- The max frame rate of MPEG4 is up to 20 FPS in 1280x800. It's camera limitation.

zz. D-Link

- DCS-2136L:
  i. Constant bit rate cannot set bigger than 4M
  ii. In camera web video setting and NUUO camera setting page, when mode is MJPEG, set the Fixed the bug thated quality to "Excellent" and save, then change the Mode to H.264, the "Fixed the bug thated quality" should also be "Excellent", but the "Good" option is show up due to camera FW issue.
  iii. When select resolution "176x144", it will display incorrect image
- DCS-3010:
  i. Firmware Issue: Not support Talk
  ii. Firmware Issue: Bitrate setting
      (more than 2Mkbps will cause broken-image and image delay)

aaa.   D-Link China:

- DCS-N62-40H2
  i. Firmware Issue: Not support Motion Detection
  ii. Firmware Issue: Bitrate List on web shows 3Mkbps
      (the truly Bitrate value of camera could be 3Mkbps or 2.5Mkbps)
  iii. Speed setting only support pan speed(synchronized with Tilt speed)
- DCS-N40M-81H3
  i. Not support TCP/UDP

bbb.   Hikvision Generic model:

- The camera setting will be failed, when sub stream resolution bigger than main stream resolution in Rapter platform.

ccc.   ADT-VSDVS-4C

- Talk can't be use after setup audio codec.
- Tilt up and down can't be use.
- Name of preset point only support a-z A-Z @-_!

ddd.   ADT-VSDVZ5MP-VF3090IRI and ADT-VSDVZ5MP-VF3090IRO

● Audio codec is wrong under AMR.

● Camera may not connect under highest resolution, highest bit rate and lower frame rate.

● Tilt up and down cannot use.

eee.   TCIP-Typ213MDN22x

● Not support auto detection.

● Not support DI/DO and audio.

● Not support setup PTZ speed.

● Video stream will have low frame rate with high quality under MJPEG.

● Not support UPnP search.(Mainconsole)

● The frame rate does not synchronize with web under MJPEG.

fff. Bosch NWD-495, NWC-495, NWD-455, NWC-455

● Auto detect model unsupported

● H.264 supports up to a maximum of 2CIF as this utilizes the Baseline Profile.

● When H.264 quality is set to '0', the camera will auto-adjust the quality setting. For minimum quality, the value should be '100'.

● When MJPEG quality is set to '0', the camera will auto-adjust the quality setting. For minimum quality, the value should be '1'.

● MJPEG frame rate depends on camera load. Value in settings dialog is not representative of actual frame rate

ggg. Bosch NDC-225

● When H.264 quality is set to '0', the camera will auto-adjust the quality setting. For minimum quality, the value should be '1'.

● MJPEG quality depends on camera load. Value in settings dialog is not representative of actual quality.

● Audio Codec support g711, not support L1, AAC.

hhh. Bosch VIP X1 XF E

● When H.264 quality is set to '0', the camera will auto-adjust the quality setting. For minimum quality, the value should be '1'.

● MJPEG quality depends on camera load. Value in settings dialog is not representative of actual quality.

● Audio Codec support g711, not support L1, AAC.

● The resolution of profile-2(Mjpeg) will be limited to CIF, if the resolutions of profile-0(h264) and profile-1(h264) set by CIF.

● H.264 video stream supports maximum resolution of 704x576 (PAL) and 704 x 480 (NTSC) only. Full D1 (720 x 576) is not supported.

iii. Histream HH9801B-MPC-TD(HIHD_T_IR)

- (MainConsole)Firmware Issue: Not support Motion Detection, DI, DO, video setting(Brightness/Contrast/Saturation)
- (Mini2/Titan/Solo) Only support main stream video, camera setting(1920x1080, 1280x960, 1280x720). The other resolution not mentioned above are not supported.

Bug Fixed the bug thated:

Mainconsole:

1. Zavio V111T: The zoom in/out cannot stop.
2. Sunell: DI can't work. (except VSR54/01 fw issue can not Fixed the bug that)
3. Bolide: DI can't work.
4. Brickcom VS-01Ap: Cannot PTZ via joystick.
5. JVC VN-H*: Connect by http will cause CPU loading high, disable it.

NVRmini 2:

1. Grundig_GCI-K0523T, Grundig_GCI-H0503B: After selected H.264 video format in NVRmini2, the video format will back to MJPEG.
2. Vivotek VS8801: There is no image for dual stream.
3. Sunell: DI can't work. (except VSR54/01 fw issue can not Fixed the bug that)
4. Bolide: DI can't work.
5. CNB IXC2050IR and IDC4050VR: disconnect after several hours.
6. JVC VN-H*: Connect by HTTP will cause CPU loading high (camera FW issue). NUUO suggest not connect via HTTP.

Titan NVR:

6. Vivotek VS8801: There is no image for dual stream.
7. Sunell: DI can't work. (except VSR54/01 FW issue cannot Fixed the bug that)
8. Bolide: DI can't work.
9. CNB IXC2050IR and IDC4050VR: disconnect after several hours.
10. JVC VN-H*: Connect by HTTP will cause CPU loading high (camera FW issue). NUUO suggest not connect via HTTP.

Release Version v2.10.0 (2013/02/26)

Modules:

Device Pack v 2.10.0

Supported Systems:

Mainconsole	v 3.5.0 and above
NVRmini 2	v 1.5.0 and above
NVRsolo	v 1.0.0 and above
Titan NVR	v 1.3.0 and above

New Camera Supported:

ADT	ADT-VSDVZ3MP-VF3010IRO
Beward	N100, N120, N300, N320, N600 and N630
CNB	IDP5035VR, IGC2050F, IGP2035F, IVP5035VR, IXP3035VR and NGE2055F
Dynacolor	NA083(IP+ only)
Dlink	DCS-2210, DCS-5020L
Eneo	PXD-1010F02 and PXD-1020F02
Honeywell	HDZ20HD, HDZ20HDE, HDZ20HDEX and HDZ20HDX
Vivotek	CC8130, FD8151V and IP8372
Zavio	B5010, B5111, B5210, D3100, D3200, D5112, F7210 and F3110

FW upgrade:

Levelone	FCS-4041, WCS-6020 and WCS-6050
Panasonic	WV-SC385 and WV-SP105
Sunell	SN-IPD54/12VDN
D-Link	DCS-7413, DCS-6511

Onvif support:

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1. For ONVIF partner, NUUO only guarantee camera video connection (1st stream) with ONVIF test report.
2. Onvif Product line support: Titan(Profile S v12.06), Mini2(Profile S v12.06), Mini (Onvif v1.01) Solo (Profile S v12.06) and Mainconsole(Profile S v12.06)

Notice:

9. Known issue:

jjj. Sunell SN-IPD54/12VDN Can't test DI due to HW broken.

kkk.　　　　　　CNB IGP2035F/IXP3035VR/IDP5035VR/IVP5035VR, Failed to set bitrate to 128k over VGA/D1.

lll. ADT ADT-VSDVZ3MP-VF3010IRO

1. Audio codec is wrong under AMR.
2. Camera may not connect under highest resolution, highest bitrate and lower framerate.

mmm.　　　　　D-Link

1. DCS-6511: camera framerate is lower than user setting.
2. DCS-7413: When framerate is 1, camera connection isn't stable.
　　　　　Not support MPEG4, TCP, UDP
3. DCS-5020L: (Titan/Mini2) Not support Audio
4. DCS-2210: Camera web and MainConsole can't be set simultaneously.

nnn.　　　　　DynaColor NA083 Parameter setting will fail when Mjpeg quality bigger than 60

ooo.　　　　　Eneo PXD-1010F02,PXD-1020F02 Parameter setting will fail when Mjpeg quality bigger than 60

ppp.　　　　　Honeywell HDZ20HD,HDZ20HDE,HDZ20HDEX,HDZ20HDX   Parameter setting will fail when Mjpeg quality bigger than 60

aa. OEM N73200, the AMR mode of audio doesn't work correctly and the frame rate of MPEG4 is up to 20 due to the limitation of hardware.

bb. Zavio

1. For F7210, due to audio and PTZ malfunction, the two functions can't be verified unless new camera sample is provided. Thus, audio and PTZ function for F7210 is not guaranteed.
2. For D3100, there is no audio and the UPnP doesn't include port settings. The two are known as FW issue.
3. For D3200 and F3110, the AMR mode of audio doesn't work correctly and the frame rate of MPEG4 is up to 20 due to the limitation of hardware.
4. For B5210, the frame rate is not enough when using TCP and HTTP connection.

cc. Beward

   1. For N300/320, only camera link is received for camera intergration. Thus, NUUO only guarantee video function.

   2. For N100/120, audio will be disappeared after switch settings for a few times. (FW issue)

qqq.   LeveOne

● For FCS-4041, High video parameter causes slow CGI command response.

Bug Fixed the bug thated:

Mainconsole:

- Fixed the bug that Zavio F210A motion detection cannot be triggered.

NVRmini 2:

- None

Titan NVR:

- Fixed the bug that Titan can't login after connecting Samsung SNB-1001 several hours.

Release Version v2.9.5 (2013/02/01)

Modules:

Device Pack v 2.9.5

Supported Systems:

Mainconsole v 3.5.0 and above

NVRmini 2 v 1.5.0 and above

Titan NVR v 1.3.0 and above

New Camera Supported:

Bug Fixed the bug thated:

Mainconsole:

- Mainconsole would probably occur unexpected crash when first launch.

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Release Version v2.9.0 (2013/01/21)

Modules:

Device Pack	v 2.9.0

Supported Systems:

Mainconsole	v 3.5.0 and above
NVRmini 2	v 1.5.0 and above
Titan NVR	v 1.3.0 and above

New Camera Supported:

3Svision	S4071
Arecont	AV1145-04-W, AV1145-3310-D, AV1145-3310-W, AV1255, AV2145-04-D, AV2145-04-W, AV2145-3310-D, AV2145-3310-W, AV3255 and AV10255
AXIS	M1013, M1144, M3006, P1204, P1354 and Q7424
Beward	N100, N120, N300, N320, N600 and N630 (Mainconsole support only)
Bullwark	BLW-510MP-BS
Dlink	DCS-5605, DCS-5635, DSC-932L, DCS-6210, DCS-7110, DCS-2230, DCS-6513 and DSC-6915
Everfocus	EDN2210 and EPN4220
Fine	3MP_BOX, 3MP_FD, 3MP_IR,3MP_PT, 3MP_VD and CDB-HD280
Forenix	C2200, C2200-W, FBX-200, FBX-300WD, FDM-200, FDM-300WD, FVD-200, FVD-300WD, M0202-BH01, M0202-BH02, M0202-BH03, M7202-DB03, M4202-DB03 and M4202-DB02
Hikvision	DS-2DF1-572
Levelone	WCS-6020 and WCS-6050

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MegaIP	NCD-2003PR and NMX-2003P
Messoa	NCB855, NCC800 and NIC950
NTIC	HVS-D1-V3
OEM	N73110
Probe	PID-H1300
Samsung	SND-5010
Santec	SNC-3305, SNC-5315IR, SNC-6202 and SNC-6315
Sunell	IPS54/71DN/Z18 and IPS54/80DR
TP-LINK	TL-SC3130v2 and TL-SC3130Gv2
VisionHitech	Vision SM3Ti
Vivotek	IP8172
Yudor	YUC-H626, YUC-H7926 and YUC-Hi26
Zavio	B5010, B5210, D3100, and F7210

FW upgrade:

Arecont	AV8185 and AV8365
Messoa	NIC950
Probe	PIC-H2010, PIN-H1310 and PMI-H2000

Onvif support:

3. For ONVIF partner, NUUO only guarantee camera video connection (1st stream) with ONVIF test report.
4. Onvif Product line support: Titan(Profile S v12.06), Mini2(Profile S v12.06), Mini (Onvif v1.01) and Mainconsole(Profile S v12.06)

Notice:

10. Known issue:
    rrr. Yudor YUC-H626, YUC-Hi26, YUC-H7926:
    In website, when bitrate mode is "CBR" and change stream mode from "Advanced mode" to "Basic mode". Quality will not synchronized to web.

    sss.   Santec SNC-6315:
    M-JPEG on high resolution and quality may not get parameter.

    ttt. VisionHitech Vision SM3Ti,
    1. Sometimes can't get camera parameter normally due too camera response too slow,   but there is chance to recover after reboot.

2. Audio may discontinuously under high resolution, framerate and bitrate settings.

uuu.　　　　　LevelOne WCS-6020, WCS-6050

- WCS-6050 not support MJPEG 1280x1024
- Not support preset
- Camera's framerate is less than 30fps at high resolution.
- PTZ Home is stopped when the button is released at titan.
- Broken textures at high quality.
- Not support AAC codec. Users have to set AMR codec via camera web.

vvv.　　　　　Everfocus EDN2210 :

Sometimes can't get camera's parameter at high resolution.

www.　　　　　Beward

1. For N300/320, only camera link is received for camera intergration. Thus, NUUO only guarantee video function.
2. For N100/120, audio will be disappeared after switch settings for a few times. (FW issue)

xxx.　　　　　3SVision S4071

1. The quality setting of M-JPEG is unavailable.
2. When the server attaches two or more channels, the maximal framerate is unstable.

yyy.　　　　　Zavio

1. For F7210, due to audio and PTZ malfunction, the two functions can't be verified unless new camera sample is provided. Thus, audio and PTZ function for F7210 is not guaranteed.
2. For D3100, there is no audio and the UPnP doesn't include port settings. The two are known as FW issue.

zzz.　　　　　TP-LINK TL-SC3130v2 and TL-SC3130Gv2

Not support audio with AMR 7.95.

aaaa.　　　　　Messoa NCC800, NCB855

1. Set parameter will take 10 sec or more to setup.
2. Get parameter may wrong after set parameter.
3. Broken textures on connected in 1~4sec at MPEG4.

4. Not support auto detection.

5. For NCB855, setup bit rate of MPEG4 will response wrong parameter.

bbbb.   Messoa NIC950

1. Not support UPnP.

2. Not support auto detection.

3. Not support motion detection on MJPEG.

4. Not support DI and DO.

cccc.   Probe PID-H1300

Auto detection fail. (FW issue)

dddd.   D-Link

1. DCS-7110: not support Preset and HTTP protocol

2. DCS-6915: not support Preset, Audio 40kbits mode, Talk, Motion Detection and Flip.

3. DCS-2230: Quality setting fail in MJPEG

4. DCS-6210: Flip/Mirror acts contrary

5. DCS-6513: Preset issue(1st point position will be covered by 2nd point position), Talk voice abnormal

6. DCS-5635: Not support autopan speed setting and MPEG4 format in HTTP

7. DCS-5605: Not support MPEG4 format in HTTP

eeee.   Bullwark

BLW-510MP-BS: Get parameter will fail when Mjpeg quality bigger than 60.

ffff.Axis

P1354: Not support AAC in MJPEG. Not support AAC in H264 in Titan and Mini2 v1.6, but support in Mini2 v1.5.

Bug Fixed the bug thated:

Mainconsole:

-   Hikvision Generic:

    1. If device not support PTZ function, PTZ push-button will not be disable.

    2. Autodetect function can't find generic model.

    3. MD delay

    4. There are broken texture when use high resolution and low frame rate.

-   Messoa:

    1. The default values of video parameter are different from camera web on MainConsole.

NVRmini 2:

- Hikvision Generic:

    1.If device not support PTZ function, PTZ push-button will not be disable.

    2.Autodetect function can't find generic model.

- CNB IDC4000T:

    1.the device can not connect and can not set up on camera web page after a period of time.

Titan NVR:

- Hikvision Generic:

    1.If device not support PTZ function, PTZ push-button will not be disable.

    2.Autodetect function can't find generic model.

- CNB IDC4000T:

    1.the device can not connect and can not set up on camera web page after a period of time.

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Release Version v2.8.0 (2012/12/19)

Modules:

    Device Pack   v 2.8.0

Supported Systems:

    Mainconsole   v 3.5.0 and above

    NVRmini 2   v 1.5.0 and above

    Titan NVR   v 1.3.0 and above

New Camera Supported:

ACTi	KCM5511
Arecont	AV8185DN, AV8365DN, AV20185DN and AV20365DN
AXIS	M3005
Bolide	BN1009/PTZ3GIP, BN1009/PTZWDRIP, BN1009M/PTZ-18, BN2002IP, BN2002WDRIP, BN2009AVAIRIP,BN2009IRIP, BN2009WDRVAIRIP, BN2035IRIP, BN2035WDIRIP, BN5002M-A, BN5009M-A and BN5035M-A
Bosch	NTC-265-PI and NDN-265-PIO
Corum	CS-150-IO, CS-195-IO, CS-310-IO, CS-320-IO, CS-390-IO, CS-410-IO and CS-425-IO
Dlink	DCS-2310L, DCS-3112, DCS-6314, DCS-6915(Mainconsole support), DCS-7413 and DCS-7513
Eneo	GXB-1720M-IR, GXC-1605M, GXC-1606M-IR, GXC-1720M, GXD-1610M-IR, and GXD-1720M-IR
Everfocus	EPN4220
Hikvision	DS-2CD8253F-EI, DS-2CD8264FWD-(EIS), DS-2CD864FWD-E, DS-2DF1-572

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	(Mainconsole support) and Generic
ITX	NCD-2003PR(Mainconsole support), NMX-2003P(Mainconsole support)
LevelOne	WCS-6020(Mainconsole support), WCS-6050 (Mainconsole support)
LG	LDW2010, LSW900, LSW901, LSW2010, LVS201, LVS301, LVS311, LVW700, LVW701, LVW900, LVW901, LW352, LW355, LW9226, LW9226I, LW9228, LW9228I
Rover	RV19BMVP and RV19BMVIR
Samsung	SNB-5001, SND-5011 and SND-5061
Sony	SNC-VB600 and SNC-VB630
Tiandy	TC-NS324S2-V2.1
Vivotek	IP8172(Mainconsole support)
Yudor	YUC-H696, YUC-766R-30, YUC-H796R, YWS-H01DP and YWS-H04S

FW upgrade:

Panasonic	DG-SW155, WV-SP135E and WV-SW155

Notice:

Known issue:

I. ACTi KCM5511

Pitch of G.711 audio is not correct.

Not support motion detection in M-JPEG.

II. CORUM

Under particular operation, the quality or resolution of video parameter can't be set. It needs set quality on camera web again.

The particular operations sequence is as follows:

In Advanced Mode -> use VBR -> Apply -> use CBR -> Apply -> change to Basic Mode -> Apply

CS-425-IO and CS-195-IO: Not support 2nd stream in maximum frame rate of 1080p.

CS-230-IO: Cannot setup saturation. (IP+)

CS-390-IO: Not support UPnP.

CS-150-IO, CS-195-IO, CS-320-IO, CS-390-IO, CS-410-IO and CS-425-IO: When input under N.C status, needs trigger input more than 10 sec if you want to cancel event of input.

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III. Sony SNC-VB600,SNC-VB630

    Not support Motion Detection.

    Not support Audio.

    Alarm Input doesn't work.

IV. VIVOTEK IP8172

    Not support CBR mode (MainConsole).

    MJPEG not support audio.

    Not support AAC audio.

I. LevelOne WCS-6020, WCS-6050

    Camera does not stable at bad network environment. For example, UPNP search failed, no video…etc.

    Not support preset

    WCS-6050 not support MJPEG 1280x1024

II. Hikvision

    DS-2CD8264FWD-(EIS): Not support PTZ

    DS-2CD864FWD-E: Not support DI, G726 talk, zoom in/out

    DS-2CD8253F-EI: Not support audio but the clickbox is opened(cgi issue).

III. D-Link

    DCS-6915: Not support talk, Motion Detection, DI, DO

    DCS-3112: Not support Preset

IV. Bolide

    All Bolide models changing MJPEG resolution may get Fail message due to camera FW issue. (MainConsole/Mini2/Titan)

    All Bolide models AutoDetect model may fail due to incorrect model name response. (IP+/Mini2/Titan)

    BN2002WDRIP, BN5002M-A: AlarmIn message is unstable.

V. Bosch NTC-265-PI:

    MJPEG Quality always get 70 (Camera Firmware Issue). (MainConsole)

    H264, MJPEG set Quality 0 but get 24 (Camera Firmware Issue). (MainConsole /Mini2/Titan)

    MJPEG lag (Camera Firmware Issue). (MainConsole)

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Audio Codec supports g711, not support L1, AAC. (MainConsole /Mini2/Titan)

VI. Tiandy TC-NS324S2-V2.1

Audio at titan is bad.

Only support streaming

VII. ITX NCD-2003PR:

When set Anti-Flicker Mode to 50Hz, Mainconsole would get wrong Max of FPS(30). (Firmware issue)

VIII. LG LW9226:

Audio out sound level is too small (with high impedance).

IX. LG LVS201:

Video image has some noise in the bottom line when video resolution at QCIF.

Bug Fixed the bug thated:

Mainconsole:

- Samsung SND-3082 video will disconnect after continuous control PTZ several minutes.
- Panasonic DG-SF334 force setting bitrate value when codec is H264.

NVRmini 2:

- AMTK AM2221D, AM2231D preset name can't contain blanks.

Titan NVR:

- AMTK AM2221D, AM2231D preset name can't contain blanks.
- Sony SNC-EP580 PTZ speed is too slow.

Release Version v2.7.2 (2012/11/28)

Modules:

    Device Pack   v 2.7.2

Supported Systems:

    Mainconsole   v 3.5.0 above

    NVRmini 2   v 1.5.0 above

    Titan NVR   v 1.3.0 above

New Camera Supported:

    AXIS   M3005 (For Mini2 and Titan only)

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Release Version v2.7.0 (2012/11/19)

Modules:

    Device Pack   v 2.7.0

Supported Systems:

    Mainconsole   v 3.5.0 above

    NVRmini 2   v 1.5.0 above

    Titan NVR   v 1.3.0 above

New Camera Supported:

Airlive   OD-325HD

AMTK   AM2030D, AM2110D, AM2120D, AM2221D, AM2231D, AM2530D, AM2570D, AM2590D, AM2630D and AM2730D

Asoni   CAM613M, CAM614, CAM615, CAM616M, CAM619M, CAM620, CAM624M, CAM625M, CAM627M, CAM628M, CAM630, CAM632, CAM633, CAM634M, CAM637M, CAM638, CAM639(Mini2/Titan only), CAM640, CAM641(Mini2/Titan only), CAM642M, CAM647, CAM656D, SVR610, SVR611, SVR640

AXIS   P5544

Bosch   NDC-274-P and NDC-274-PT

Camtron   HLC-81AD/P, HLC-83V, HLC-83V/W,HLC-84V and HLC-84V/W

Corum   CS-270-IO

Forenix   NPB-720, NPB-720A, NPB-720U, NPD-720K and NPD-720R

Hikvision   DS-6601HFHI (Mainconsole only)

Histream   HIHD_64

Lilin   IPD2220ES, IPG1022ESX, IPG1022ES, IPR320ESX, IPR434ESX, IPR7424ESX

	(Mini2/Titan support)
Messoa	NCR-875PRO,NDR-891, NIC-990
Samsung	SNB-7001, SNB-7002, SND-7011, SND-7061, SND-7082 and SNV-7082
Tiandy	TC-NH9106S2-MP
JVC	VN-H37U, VN-H57U, VN-H137U, VN-H157WPU, VN-H237U, VN-H257U, VN-H257VPU, VN-V685U, VN-V686BU, VN-V686WPBU (Min2/Titan support, Mainconsole have supported on DP v2.5)

Notice:

11. Known issue:

dd. Bosch NDC-274-P
- MJPEG Quality always get 70 (Camera Firmware Issue).
- MJPEG set Quality 0 but get 24 (Camera Firmware Issue).
- MJPEG lag (Camera Firmware Issue).

ee. Airlive OD-325HD and AMTK AM2030D, AM2110D, AM2120D, AM2221D, AM2231D, AM2530D, AM2570D, AM2590D, AM2630D and AM2730D Always can use http port 80 to connect after changing http port by FW issue.

ff. Airlive OD-325HD and AMTK AM2590D, AM2030D, AM2570D, AM2530D, AM2630D, AM2730D Initail output status will not synchronize to real output voltage by HW issue.

gg. AMTK AM2221D, AM2231D preset name can't contain blanks.

hh. Histream HIHD_64 camera response very slow, when change video parameter, there is high opportunity to disconnect. Just wait for a while, or reboot camera, and then be able to reconnect.

ii. Hikvision DS-6601HFHI
- UPnP search can't find the camera.
- Can't change port on camera web site.
- Talk sound is not fluent

jj. Messoa NDR891 and NCR875PRO
- Set parameter will take 10 sec or more to setup(Camera Firmware Issue).
- Get parameter may wrong after set parameter(Camera Firmware Issue).
- Broken textures on connected in 1~4sec at MPEG4(Camera Firmware Issue).
- Not support auto detection.
- Setup bit rate of MPEG4 will response wrong parameter on Mini2/Titan(Camera Firmware Issue).
- Not support talk on MainConsole.
- The default values of video parameter are different from camera web on MainConsole.

kk. Messoa NIC990

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- Can't set frame rate(Camera Firmware Issue).

- Only support H.264.

- Not support dual stream on 1080P(Camera Firmware Issue).

ll. Camtron HLC-81AD/P doesn't support autodetect & search

mm. LILIN IPD2220ES, IPG1022ESX, IPG1022ES, IPR320ESX, IPR434ESX, IPR7424ESX Video parameter does not synchronize to ONVIF option.

nn. LILIN IPR434ESX does not support dualstream at 2048x1536

oo. Tiandy TC-NH9106S2-MP

1. Not support ONVIF event (MD, I/O).

2. Not support minor stream.

3. Not support dual stream.

Bug Fixed the bug thated:

Mainconsole:

- Fine SP-HP2020Q-IP patrol cause IP+ dump.

- Levelone FCS-3091 can't use talk function.

NVRmini 2:

- CNB IDP4000VD open dualstream failed.

- Vivotek SD8XXX series preset issue.

- Panasonic WV-SW395, WV-SW396 preset issue.

Titan NVR:

- CNB IDP4000VD open dualstream failed.

- Vivotek SD8XXX series preset issue.

- Panasonic WV-SW395, WV-SW396 preset issue.

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Release Version v2.6.0 (2012/10/19)

Modules:

    Device Pack   v 2.6.0

Supported Systems:

    Mainconsole   v 3.5.0 above

    NVRmini 2   v 1.5.0 above

    Titan NVR   v 1.3.0 above

New Camera Supported:

Axis   M1014 , M1143-L, M3004, M7014, P7224 and Q7406

    DCS-2130 (Titan/Mini2 support and Mainconsole already support on v2.5) and

D-Link   DCS-3716

Everfocus   EDN3160, EDN3260, EDN3340, EHN3160, EHN3260, EHN3340 and EPN4122

Forenix   ACD-3VM501 and NPB-720BM

Jetstor   JS-C1100, JS-C2100, JS-WGP-100-CB, JS-B0100, JS-B0100-W, JS-B0131, JS-BB1100-R30, JS-B1100, JB-B1204-R25, JS-D0100, JS-D1100, JS-D1130, JS-D1204, JS-ISD0200x18 and JS-OSD0200x20

Levelone   FCS-3071-V2

Samsung   SNP-6200, SNP-6200H, SNP-6200HP, SNP-6200P

Shany   SNC-21XX (SNC-WD2112MDN, SNC-WD2122DN,   SNC-WDL2132DN, SNC-WDL2142DN)

    SNC-22XX (SNC-2212MDN, SNC-2222DN, SNC-L2232DN)

    SNC-23XX (SNC-WD2312MDN, SNC-WD2322DN, SNC-WDL2132DN, SNC-WDL2332DN)

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Sunell	IPS54/70DN/Z18, IPS54/70DN/ZR18, IPS54/70DR/Z18, IPS54/70DR/ZR18, SN-IPC54/11FDN, SN-IPC54/11DN, SN-IPC54/11EDN, SN-IPV54/11DN, SN-IPV54/11DR, SN-IPD54/11VDN, SN-IPD54/11VDR, SN-IPV54/11UDN, SN-IPV54/11UDR, SN-IPR54/11DN, SN-IPR54/11ANDN, SN-IPV54/11ZDR, SN-IPR54/11ALDN, SN-IPR54/11AKDN, SN-IPD54/12VDN, SN-IPC54/12DN, SN-IPC54/12EDN, SN-IPC54/12FDN, SN-IPV54/12DN, SN-IPV54/12DR, SN-IPD54/12VDR, SN-IPV54/12UDN, SN-IPV54/12UDR, SN-IPR54/12DN, SN-IPR54/12ANDN, SN-IPV54/12ZDR, SN-IPR54/12ALDN, SN-IPR54/12AKDN and VSR54/01
Techson	TCIP-220MDN, TCIP-230WDRMDN, TCIP-213WDRMDN, TCIP-D213WDRDN TCIP-D220DN, TCIP-D230WDRDN, TCIP-LD213WDRMDN, TCIP-LD220MDN, TCIP-LD230WDRMDN and TCIP-LPro213WDRMDN (Mini2 and Titan support, Mainconsole already support on DP v2.5)
Zavio	D5113, D7111, F1100 and F1105

Notice:

12. Known issue:

pp. Sunell SN-IPD54/12VDN, VSR54/01 autodetect fail due to camera FW issue. IPS54/70DN/ZR18 VSR54/01 changing MJPEG resolution may get Fail message due to camera FW issue. Can't support G711 A-law(Onvif issue)

qq. Axis P7224 can't use second audio in (All). Support G.711 only (mini2/Titan).

rr. Forenix NPB-720BM doesn't support On-edge motion under TCP or UDP protocol.

ss. Digital WatchDog DWC-MPA20M does not support On-edge motion detection.

tt. Digital WatchDog DWC-MPA20M, if switching between profiles constantly(about 5~10 times), sometimes the camera is just disconnected and no longer connected again until rebooting it

uu. 2.5 and 12.5 framerate can't be show at EPN4122.

Bug Fixed the bug thated:

Mainconsole:

- Can't connect over 3 Pelco IP110 devices.
- Icantek icanview240 can't use PTZ.
- Probe connection failed after several minute.
- EverFocus ONVIF camera responses LAN address in NAT environment.

NVRmini 2:

- Panasonic WV-SW395 PTZ speed moving angle too much.

- Probe connection failed after several minute.
- Vivotek some PTZ models can't control PTZ when PTZ speed is 0 in the camera web interface.
- EverFocus ONVIF camera responses LAN address in NAT environment.

Titan NVR:
- Panasonic WV-SW395 PTZ speed moving angle too much.
- Probe connection failed after several minute.
- Vivotek some PTZ models can't control PTZ when PTZ speed is 0 in the camera web interface.
- EverFocus ONVIF camera responses LAN address in NAT environment.

Release Version v2.5.0 (2012/09/18)

Modules:

Device Pack   v 2.5.0

Supported Systems:

Mainconsole   v 3.5.0 above
NVRmini 2   v 1.5.0 above
Titan NVR   v 1.3.0 above

New Camera Supported:

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ACTi	KCM5611 and KCM7911
Axis	Q1604 and Axis (for IP camera and video servers' Video only)
Dahua	SD65XX-HN and SD69XX-HN
D-Link	DCS-2130 (Mainconsole only)
Ernitec	Mercury SX 302, Mercury SX 302IR, Mercury SX 302M, Orion SX 802IH, Orion SX 802OPH, SX 605, Vega SX 102 and Vega SX 102IH
Guardeon	GDN-V1300D, GDN-DV1300IR and GDN-D1300IR
Honeywell	HCD5MIH, HD3MDIH and HD4MDIH
JVC	VN-H257U, VN-H257VPU, VN-H37U, VN-V685U, VN-V686BU and VN-V686WPBU(Mainconsole only)
LG	LNB3100, LNB5100, LND3100, LND5100, LNP2800, LNP2800I, LNP3700, LNP3700T, LNV5100, LNV5110, LW130W, LW332, LW335, LW342, LW345, LW6324, LW6354, LW6424, LW6454 and LW9422
Vivotek	FE8171V (Mainconsole only and Titan/Mini2 already support on v1.13) and FE8172V

Notice:

13. Known issue:

   a. ACTi KCM5611 does not support RS-485 (not support Pan/Tilt).

   b. Dahua SD65XX-HN, SD69XX-HN does not support motion detection at MJPEG. MJPEG bitrate can't set over 8192 kbps.

   c. Axis Generic support video only.

   d. Axis Q1604 does not support AAC at MJPEG and not support H264 CBR mode.

   e. Guardeon does not support audio in with 16KHz sampling rate.

   f. LG series can't support dual-stream when video parameter is H264, 1920x1080(or above), over 20fps.

   g. LG Speed Dome models (LW9422, LNP3700T) PTZ will stop automatically when press bottom

over 10 sec. Focus near/far needs to setup the focus mode in camera's OSD. Adjust zoom speed is useless.

   i. Vivotek FE8172V, not support CBR mode. Not support audio at MJPEG. Not support AAC audio.When resolution is 1360x786, video stream would have a white line at the left-bottom of the frame. If set to Full HD mode, the low profile video stream would have a color line at the bottom of frame.

Bug Fixed the bug thated:

Mainconsole:
- Fixed the bug that Santec SNC-8322 PTZ "down-left "
- Fixed the bug that Dynacolor NV053, NV223 autofocus
- Probe PIC-H2010 with wrong MAX framerate support.
- Zavio B7210, F7210 with wrong resolution support.

NVRmini 2:
- Panasonic WV-SC385 can't get preset point.
- Sunell SN-IPS54/60DN/Z18/WI Motion Detection failed after 60sec.

Titan NVR:
- Panasonic WV-SC385 can't get preset point.
- Sunell SN-IPS54/60DN/Z18/WI Motion Detection failed after 60sec.

Release Version v2.4.0 (2012/08/20)

Modules:

   Device Pack   v 2.4.0

Supported Systems:

   Mainconsole   v 3.5.0 above
   NVRmini 2   v 1.5.0 above
   Titan NVR   v 1.3.0 above

New Camera Supported:

ACTi	TCM1111, TCM3111, TCM4511, TCM5111 and TCM6630
Alphatech	AT-IMF5736 and AT-IMV5756
Brickcom	30xN
Grundig	GCI-K1526V and GCI-K1812W
Probe	PIC-2010T and PIN-H1310
Sunell	SN-IPS54/60DN/Z18/WI
Techson	TCIP-213WDRMDN, TCIP-220MDN, TCIP-230WDRMDN, TCIP-D213WDRDN, TCIP-D220DN, TCIP-D230WDRDN, TCIP-LD213WDRMDN, TCIP-LD220MDN, TCIP-LD230WDRMDN and TCIP-LPro213WDRMDN (Mainconsole only)
Videosec	ICS-20W, ID-20, IRD-20 and IRW-20W
Vivotek	BB5116, BB5315, BD5115 and FD8131
3Svision	N3071, N6072, N6073, N6074, N6075, N6076, N6077 and N9071

Notice:

14. Known issue:

    a. ACTi TCM6630, DI/DO useless, FW issue.

    b. AlphaTech models, 2nd profile's framerate will be limited to 15fps when 1st profile set resolution to 1600x1200. Framerate only support 3~25fps.

    c. Brickcom 30xN, Cover FB-300Np, WFB-300Np, MD-300Np. MD-300Np is no support DI/DO and one way audio only.

    d. Grundig models, camera become slow response (or not response) when set resolution, compression and framerate near the maximum value, audio will not smooth at the same time. Suggest modify GOV length to small value when video framerate lower than 5.

    e. Probe series, will access failed when add more than 1 channel to the same camera.

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f. Sunnell SN-IPS54/60DN/Z18/WI, dual-stream will connect failed when camera is too busy.

15. Bug Fixed the bug thated:

Mainconsole:

- Brickcom VS-04A, can't be selected in the camera support list.

NVRmini 2:

- ACTi CAM6610, adjust PTZ speed to adequate speed.
- Grundig C3075, increase the PTZ control latency.
- Sunnell camera can't disconnect automatically when press disconnect button.

Titan NVR:

- ACTi CAM6610, adjust PTZ speed to adequate speed.
- Grundig C3075, increase the PTZ control latency.
- Sunnell camera can't disconnect automatically when press disconnect button.

Release Version v2.3.0 (2012/07/18)

Modules:

Device Pack   v 2.3.0

Supported Systems:

Mainconsole   v 3.5.0 above

NVRmini 2   v 1.5.0 above

Titan NVR   v 1.3.0 above

New Camera Supported:

Alphatech	AT-IMF5739 and AT-IMF5750
Basler	BIP2-D1920c-DN
Dynacolor	na063
Mobotix	M24M-Sec
Santec	SNC-3322 and SNC-8322I/HO
Telview	IPB612P-ICR, IPB630P-ICR, IPD612-VP-VF-IR, IPD630-VP-VF-IR, IPE600, IPW612, IPW630, IPW630P, IPZ611, VIS611, VIS614 and VIT621
Vivotek	FD8335H, FD8372 and IP8361

Notice:

16. Known issue:

    a.Alphatech AT-IMF5739, AT-IMF5750

     2nd profile's framerate will be limited to 15fps when 1st profile set resolution to 1600x1200.

     Framerate only support 3~25fps.

    b.Basler BIP2-D1920c-DN

     Not support Audio & Talk

    c.Dynacolor na063

     Video parameter can't sync with camera web interface, need to refresh the browser.

     Talk quality is not clear.

     Camera efficiency will done when set high resolution & quality stream.

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d.Mobotix M24-Sec

   Audio only support on MxPEG.

   Motion event works abnormal until first time trigger.

   Resolution of dual-stream can't bigger then main-stream.

e.Vivotek FD8372

   Mpeg4 support first 2 maximum resolutions are 1920x1920 & 1920x1536.

17. Bug Fixed the bug thated:

   Mainconsole:

   - Etrovision EV8180U black video when set resolution to 1920x1080.

   NVRmini 2:

   - CNB IDC4050IR, IDC4050F dualstream doesn't work.

   Titan NVR:

   - CNB IDC4050IR, IDC4050F dualstream doesn't work.

Release Version v2.2.1 (2012/07/05)

Modules:

   Device Pack   v 2.2.1

Supported Systems:

   Mainconsole   v 3.5.0 above

   NVRmini 2   v 1.5.0 above

   Titan NVR   v 1.3.0 above

Notice:

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1. Bug Fixed the bug thated:

   For Eneo GCD1710M-IR, please remove DP v2.2.0 first then install DP v2.2.1 and reset

   Mainconsole:
   a. Eneo camera model correct to GXD-1710M-IR
   b. Axis P7210 can not view the correct video channels with Codec H264.

   NVRmini 2:
   a. Eneo camera model correct to GXD-1710M-IR

   Titan NVR:
   a. Eneo camera model correct to GXD-1710M-IR

Release Version v2.2.0 (2012/06/19)

Modules:

Device Pack   v 2.2.0

Supported Systems:

Mainconsole   v 3.5.0 above

NVRmini 2   v 1.5.0 above

Titan NVR   v 1.3.0 above

New Camera Supported:

ACTi	KCM-3311 and KCM-7311
Arecont	AV2116 and AV3116
Axis	M7014, P3354, Q1604, Q7414 (NVRmini 2, Titan NVR only)
	P3364
Brickcom	OB-100Ap, VS01A, PZ-040D and PZ040E
Eneo	GXB-1710M-IR, GXC-1710M and GCD-1710M-IR
Hikvision	DS-2CD7153-E
Mobotix	D-14D Sec
Samsung	SNB-1001, SND-1011, SND-1080, SNO-1080R, SNV-1080 and SNV-1080R
Vivotek	FD8372, FD8136, IP8133, PT8133, SD8362

Notice:

1. Known issue:
   a. Hikvision DS-2CD7513-E
      this camera can not set framerate 15~22 when resolution is 1600x1200,1600x912.
      sometimes camera can't set resolution 1600*1200、1600*912、1280*960.

2. Bug Fixed the bug thated:
   Mainconsole:
   b. ACTi KCM-5211 PTZ function will be useless after 1 week. (Need upgrade FW V5.05.07 & ISP V1.02.02)
   c. Samsung SND-3080 can not get the parameter of the video stream.
   NVRmini 2:

        None
    Titan NVR:
    a.   Axis Q7406 can not support PTZ control.
    b.   Axis P7210 can not view the correct video channels with Codec H264.
    c.   UDP IPE3500M disconnect automatically after 24hours.
    d.   Vivotek SD83x2, SD83x3 can not adjust the PTZ speed.
    e.   Zavio B7201 video broken in LiveView.

Release Version v2.1.0 (2012/05/21)

Modules:

    Device Pack   v 2.1.0

Supported Systems:

    Mainconsole   v 3.5.0 above
    NVRmini 2   v 1.5.0 above
    Titan NVR   v 1.3.0 above

New Camera Supported:

Axis	P3367, P7210, P7214, P8513, P8514, Q1602, Q1602-E, Q1922 and Q1922
Brickcom	130N series and 50xA series
CNB	IDC4000T
COP	15-WS01D-E
Guardliner	SPmicro-412
Hikvision	DS-2CD853F-E
Panasonic	WV-SC386, WV-SP508, WV-SP509, WV-ST162. WV-ST165, WV-SW172, WV-SW174W, WV-SW175, WV-SW314, WV-SW316/L, WV-SW558 and WV-SW559
Samsung	SNP-3302/H
Santec	SNC-3342 and SNC-6332
Vision Hi-Tech	I series, Mi series, M3i series and NVS102
Vivotek	FD8134-SS, IP7160-SS, IP7161-SS, IP8151-SS, IP8161-SS, IP8162P-SS, IP8332-SS, SD8121-SS, SD8362E, SD8362-SS, SD8323E-SS
3SVision	N3072, N5071 and N8072

Notice:

3. Known issue:

   a. Brickcom 130N series need waiting 15s to finish adjust the zoom/focus.

   b. Brickcom 50xA series need waiting a period of time to reconnect stream success when switch the video resolution higher than 1920x1080.

   c. Hikvision DS-2CD853F-E can't set framerate 15~22 in Max resolution.

4. Bug Fixed the bug thated:

   Mainconsole:

   Fixed the bug thated Sony SNT-V704 can't connect failed.

   Fixed the bug thated UDP camera image gray out or break randomly when config different

resolutions.

    NVRmini 2:

        Fixed the bug thated Axis M7001 can't use daulstream.

    Titan NVR:

        None

Release Version v2.0.0 (2012/04/18)

Modules:

    Device Pack   v 2.0.0

Supported Systems:

    Mainconsole   v 3.5.0 above

    NVRmini 2   v 1.5.0 above

    Titan NVR   v 1.3.0 above

New Camera Supported:

ACTi	KCM-3211, KCM-3911
Arecont	AV20185CO, AV20365CO, D4F series
Axis	M3113-R, M3113-VE, Q6032
Bullwark	BLW-230MP-BS, BLW-230MP-DS, BLW-IN220X-S, BLW-IR230MP-DSM, BLW-IR230MP-SM and BLW-OUT220X-S
Centrix	B13H, C10, C10-W, D13HD, W13H
Dynacolor	NH720-20N1, NH820-20N1, nv103, nv223, nv053 and nv063
Forenix	B0202
GE	TVC-MP2B-S
Hikvision	DS-2CD754F-EI, DS-2CD8254F-EIS, DS-2CD752MF-E, DS-2CD754F-E DS-2CD854F-E and DS-2CD883F-E
IQinvision	IQeye863N, IQeye865N, IQM30N, IQM31N, IQM32N and IQD32S
Levelone	FCS-0071, FCS-1122, FCS-5061 and WCS-0050(Mainconsole only)
Panasonic	WV-SC384, WV-SC385, WV-SF332, WV-SF335E, WV-SW355(above add I/O), WV-SW396
Rover	RV1WAD, RV01AD, RV01AT, RV04AD, RV1WAG, RV79AD, RV7RAD, RV7RAG, RV81AD, RV81AG, RV84AD, RV84AM, RV84AV and RV87ZA
Samsung	SNB-3002, SNO-7080RP, SNP-3371, SNP-3371TH, SPE-400 SND-3082 (F) and SNV-3082
Vivotek	FD8135H, FD8335H, IP8335H, PT8133 and PT8133W
Zavio	B7210, D7110, F1100(Mainconsole only), F1105(Mainconsole only), F3101, F3106, F3201, F3206 and F531E

Notice:

5. **From DP v2.0, Mainconsole/NVRmini 2 (from v1.5)/Titan NVR (from v1.3) share same device pack.**
6. Known issue:
   a. ACTi : KCM3211's PTZ only support Zoom and Focus.
   b. Arecont: AV20185 include AV20185DN, AV20185CO, AV20365 include AV20365DN, AV20365CO
   c. Bullwark: BLW-IR230MP-SM 1920x1080 MJPEG Bit rate too high will affect camera parameter can not sync to camera information
   d. Forenix: not support search and auto detected (camera FW issue)
   e. Hikvision: 1.DS-2CD8254F-EIS、DS-2CD854F-E、DS-2CD883F-E can't set framerate 15~22

in Max resolution, DS-2CD8254F-EIS、DS-2CD854F-E、DS-2CD883F-E image

broken when resolution over 1600x1200

f. IQinvision: IQM3xN series not support audio in M-JPEG

g. Panasonic: WV-SC385 and WV-396 support continuous PTZ

h. Samsung: SNP-3301, SNP-3370: H264 can't support QCIF resolution

7. Bug Fixed the bug thated:

Mainconsole:

a. Fixed the bug that Vivotek IP7361 motion detection works failed when set motion area more than 2.

b. Santec: SNC-4302

1080P and 800x600 don't support flip and rotate, Model I/O revise and Quality setting fail issue

NVRmini 2:

a. Fixed the bug that AV8185DN can't get correct video framerate, quality & compression after setting video parameter when adding the same model with a server over two times.

Titan NVR:

a. Fixed the bug that Panasonic WV-SC385. The speed of PTZ is very slow in the Titan NVR.

Release Version v1.19.0 (2012/02/29)

Modules:

Device Pack   v 1.19.0

Supported Systems:

MainConsole   v 3.3.0 above

New Camera Supported:

Dynacolor:	V2 series
iCANTEK:	iCanView322MP, iCanView340MP
Messoa:	NIC990PRO-HP
Micronet:	SP5523W, SP5563HTM, SP5581HDC, SP5582HTM, SP-5584HTM, SP5591HTM SP5923,
Pelco:	IP110, SpectraIV-IP
Santec:	SNC-3302, SNC-4302, SNC-5312IR, SNC-6302, SNC-6312IRH, SVS-3001
Truen:	TCAM-5x10, TCS-2000

Notice:

c.   Firmware Upgrade

- iCANTEK: iCanView332MP, iCanView362MP
- Truen: TCAM-570

d.   Known issue:

i. Messoa: NIC990PRO-HP

Only support video and PTZ. Other parameters setting, audio and DI/DO are not available due to firmware issue.

j. Pelco : IP110, SpectraIV-IP

Only support MPEG4 image, not support parameter setting. SpectraIV-IP only support 704x240. IP110 only support 704x480.

k.   Micronet: SP5923

1080P and 800x600 don't support flip and rotate.

l.   Micronet: SP5581HDC

Not support talk.

m.   Santec: SNC-4302

1080P and 800x600 don't support flip and rotate.

n.   Truen: TCAM-570

MJPEG not support audio.

o.   Truen: TCAM-2000

➢   Not support below resolutions:

Composite NTSC 352x240, 720x240

HDMI 1080i60 352x240, 720x240, 640x360

➢   Echo would occur after stop talk function

e.   Bug Fixed the bug thated:

a. ACTi: KCM-5211 Auto-Focus behavior did not sync with camera web.

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b. Vivotek: VS8401 would connect with incorrect channels.

c. CNB: ISS2965x can't Zoom In/Out by joystick.

d. Corumcctv: MainConsole would hang and stop after disconnecting the video stream.

Release Version v1.18.0 (2012/01/03)

Modules:

Device Pack   v 1.18.0

Supported Systems:

MainConsole   v 3.3.0 above

New Camera Supported:

Hikvision:	DS-2CD783F-E, DS-2CD783F-EI, DS-2DF1-5702, DS-2DF1-570A,
	DS-2DF1-5732, DS-2DF1-573A, DS-2DF1-57A
Lilin:	IPD2220ES, IPG1022ES, IPR320ESX, IPR722S, IPR7424/8ESX
Sony:	SNC-EP521, SNC-EP550, SNC-EP580, SNC-ER550
Vision Hi-Tech:	VISION i series, VISION M3i series, VISION NVS102
Vivotek:	IP8335H

Notice:

f.   Bug Fixed the bug thated

  p.   PELCO: D5118 cannot operate PTZ feature by joystick.

  q.   PELCO's cameras: The video format does not sync with web's setting.

  r.   Fine: TCP-690 cannot be connected.

  s.   AXIS: P5534-E cannot set PTZ preset positions.

  t.   iCANTEK: iCanView362MP, iCanView332MP :

        The audio stream would cause IP+ crash.

g.   Known issue:

- Lilin: IPG1022ES, IPD2022ES and IPR7424/8ESX

    The audio inputs only support HTTP protocol.

- Hikvision: DS-2DF1-57xx series

    The H.264 stream displays not smoothly.

Release Version v1.17.0 (2011/12/01)

Modules:

  Device Pack   v 1.17.0

Supported Systems:

  MainConsole   v 3.3.0 above

New Camera Supported:

ACTi:	KCM-5211E, KCM-5311E
AMTK:	AM2110D, AM2231D, AM2590D
Etrovision:	EV8281U, EV8285Q, EV8286Q
Hikvision:	DS-2CD753F-E, DS-2CD753F-EI, DS-2CD754F-E, DS-2CD754F-EI,
	DS-2CD754FWD-E, DS-2CD754FWD-EI, DS-2DF1-572
Panasonic:	WV-SF132, WV-SF135, WV-SW152/M, WV-SW155/M
UDP:	IPE1100M, IPE3100, IPE3500, IPE4100, IPE5500, IPE6500, IPE7500
Vision Hi-Tech:	Vision Mi series
Vivotek:	MD7560X
Zavio:	F3201, F7210

Notice:

h. Bug Fixed the bug thated

u. Mainconsole breakdown when closing and restarting Mainconsole after Onvif models operate **Start patrol**.

v. SAE-E588HDE18C can't control **Zoom In/Out** by joystick.

w. PELCO-D5118 doesn't store the relative parameter of ptz speed after change it and restart Mainconsole.

i. Known issue:

- Hikvision DS-2CD753-E, DS-2CD753-EI, DS-2CD754-E, DS-2CD754-EI, DS-2CD754FWD-E, DS-2CD754FWD-EI do not support PTZ preset using RS-485.

j. Firmware Upgrade:

- Arecont: AV3135
- Samsung: SNB-5000, SND-5080/F, SNP-5200H, SNV-5010, SNZ-5200
- UDP: NVC1000

Release Version v1.16.0 (2011/11/04)

Modules:

Device Pack   v 1.16.0

Supported Systems:

MainConsole   v 3.3.0 above

New Camera Supported:

Brickcom:	MD-100AP
CNB:	IDC4050F, IDC4050IR, IDC4050VF, IDC4050VR, IGC2050F, ISMC1063x, IS1765x, ISS2965x, ISSM2063x, IVC5055VF, IVC5055VR, IXC2050IR,
Dahua:	HDB3300N, HDB3300P, HDBW3300N, HDBW3300P, HF3110N, HF3110P, HF3211P, HF3300N, HF3300N-W, HF3300P, HF3300P-W
Etrovision:	EV3150A, EV3151, EV3151A, EV6150A-BI, EV6150A-CI, EV6151A, EV6153A, EV6156A, EV6250A-EI/EO, EV6251A-FI/FO, EV6252A-GI/GO, EV6252A-GI/GO, EV6353A-DO, EV6353A-EO, EV6353A-FO, EV6355A/AP-BO, EV6355A/AP-CO, EV6551A/AP-BI, EV6551A/AP-CI, EV6551A/AP-DI, EV6552A/AP, EV6552R/RP, EV6580A/AP-B/C, EV6581A/AP, EV6750, EV8150A, EV8180A, EV8180A-D, EV8180F, EV8180Q, EV8180Q-D, EV8180U, EV8180U-D, EV8280U, EV8285U, EV8383F, EV8580A-B, EV8580A-C, EV8580A-DB, EV8580A-DC, EV8580F, EV8580Q-C, EV8580Q-DB, EV8580Q-DC, EV8580U-B, EV8580U-C, EV8580U-DB, EV8580U-DC, EV8580U-DM, EV8580U-M, EV8581A-C, EV8581A-DB, EV8581A-DC, EV8581Q-C, EV8581Q-DB, EV8581Q-DC, EV8581U-B, EV8581U-C, EV8581U-DB, EV8581U-DC, EV8582A-D, EV8780A, EV8780U, EV8781A-C, EV8781A-DC, EV8781F, EV8781Q-C, EV8781Q-DC, EV8781U-C, EV8781U-DC, EV8781U-DM, EV8781U-M, EV8782A, EV8782A-DB, EV8782Q, EV8782Q-DB, EV8782U, EV8782U-DB
Shany:	SNC-10XX, SNC-20XX, SNC-81XX, SNC-91XX, SNC-D1XX
USAG:	US-AVC4-2-600NR-I2
Vivotek:	IP8133W, IP8331, MD8562
Samsung:	SNV-7080, SNV-7080R

Notice:

1. Bug Fixed the bug thated:
   - AXIS P1346: Support all of AAC audio codec setting.
   - Arecont AV2125: Fixed the bug that the image would turn to green when using UDP connection
   - Shany: Fixed the bug that 1080P resolution name.
   - Zavio D611E: Fixed the bug that connection issue
2. Known issue:
   - CNB: 2M pixel models do not support UDP connection.
   - Dahua: All models only support Pan & Tilt feature using RS-485 to control the external device.
   - Etrovision: xx8x/xx5x series do not support talk function, 8150A and related models do not

support VGA resolution.

- USAG: Does not support PTZ feature using RS-485.
- Samsung: 3120x, 3430H, 5xxx and 7xxx series only support TCP connection.
3. Firmware Upgrade:
   - Samsung: SND-7080, SNO-5080R, SNP-3120, SNP-3120V, SNP-3430H, SNV-3120, SNV-5080R

Release Version v1.15.0 (2011/10/03)

Modules:

Device Pack   v 1.15.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2 & v 3.3.12 & v 3.4 & 3.4.1 & 3.5.0 & 3.5.10 & v 3.5.18

New Camera Supported:

Arecont:	AV20185DN, AV20365DN
Probe:	PIC-500, PIC-501, PIC-H1310T, PIC-H2010T, PID-500, PID-501, PID-H1000, PID-H2010T, PIK-H2010T, PIN-H1310T, PIN-H2010T, PIP-H1000, PIS-400, PK-H1310T, PMI-400, PMI-403, PMI-410, PMI-H2000, PTI-400, PTI-401, PTI-402, PTI-403, PTI-500, PTI-501, PTI-502, PTI-503, PTI-H1302, PTI-H2100
Shany:	SNC-21X0, SNC-21XX, SNC-22XX, SNC-23XX, SNC-HD2XX, SNC-HD81X2, SNC-HD91X2, SNC-HD91XX, SNC-RX01N
Vivotek:	SD83x1E, SD83x2E, SD83x3E, VS8401
Zavio:	F3106, F7110

Notice:

4. New feature:

   ● Onvif 1.02 PTZ feature is supported.

5. Bug Fixed the bug thated:

   ● LevelOne FCS-5041: login in with wrong password will cause system crash.

6. Known issue:

7. Probe series don't support IO feature/audio in.

8. Shany series will show B/W image when set camera parameter very low quality in MJPEG codec.

Release Version v1.14.0 (2011/09/02)

Modules:

Device Pack	v 1.14.0

Supported Systems:

MainConsole	v 3.3.0 & v 3.3.2 & v 3.3.12 & v 3.4 & 3.4.1 & 3.5.0

New Camera Supported:

ACTi:	KCM5211, KCM5311, KCM7211
Arecont:	AV1115, AV1125, AV2115, AV2125, AV3115, AV3125, AV5115, AV5125, AV10115
AXIS:	M3114-VE, Q6035, Q6035-E
CORUM:	CS-190-IO, CS-190-IP, CS-190-IW, CS-265-IO, CS-265-IP, CS-265-IW, CS-285-IP, CS-325-IO, CS-325-IP, CS-385-IO, CS-385-IP, CS-390-IO, CS-390-IP, CS-410-IP, CS-410-IW, CS-415-IP, CS-415-IW
Forenix:	ACDV-3VM501, AEP-Q2018H-IP, AEP-Q2018HW-IP, AEP-Q2026H-IP, AEP-Q2026HW-IP, AEP-Q2036H-IP, AEP-Q2036HW-IP, ASP-PTIR737-IP, ASP-PTIR737-LA-IP, ATCP-IRH5030C, ATCP-IRH5040C, ATCP-MH802, ATCP-MH802DN, ATCP-MH802DN/WI, ATCP-MH802WI, ATCP-VM501, B0100, B1100, C1100, C1100-W, D0100, D1100, D2100
Messoa:	NIC910HPRO, NIC930HPRO, NIC950HPRO
SONY:	SNC-EP520, SNC-ER520, SNC-ER521, SNC-ER580
UDP:	IPE3500M, NVC4000, NVC4000-R12, NVC4000-R40
Vivotek:	IP8352, PZ81x1, PZ81x1W

Notice:

9. New feature:
   - Onvif 1.02 support is officially released on Device Pack 1.14.0 but non-support PTZ feature.
   - ACTi
     TCD2500 supports PTZ feature.
   - Grandstream
     GXV series supports talk and PTZ features
10. Bug Fixed the bug thated:
    - PANASONIC WV-NM100 has probabilities cause system crash.
    - ACTi ACM1431 Audio disabled issue.

Release Version v1.13.0 (2011/08/02)

Modules:

Device Pack	v 1.13.0

Supported Systems:

MainConsole	v 3.3.0 & v 3.3.2 & v 3.3.12 & v 3.4 & 3.4.1 & 3.5.0

New Camera Supported:

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ACTi:	KCM7111
AXIS:	M5013, M5014, P5512, P5512-E, P5522, P5522-E
Brickcom:	VS-04A
Everfocus:	EQN2200, EQN2201
Grandstream:	GXV-3501, GXV-3504, GXV-3601, GXV-3601HD, GXV-3601LL, GXV-3611HD, GXV-3611LL, GXV-3615, GXV-3651, GXV-3662HD
Panasonic:	WV-SW352, WV-SW355
Pelco:	D-5118
Samsung:	SNP-3301, SNB-7000
Vivotek:	FE8171V

Notice:

11. New feature:
    - AXIS
      P1346, P5534 support AAC codec
    - Vivotek
      VS8102 supports continuous PTZ
12. Bug Fixed the bug thated:
    - Truen
      Adjust TCAM-570 PTZ moving distance sync with web client.
    - SAE
      DR-E588-HD18 can't control PTZ by joystick.
    - AXIS
      Supported Q7401 to 64 preset point.
    - Fine
      MainConsole will hang out when single TCP-VM501 setup four connections at the same time.

Release Version v1.12.0 (2011/07/01)

Modules:

Device Pack   v 1.12.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2 & v 3.3.12 & v 3.4 & 3.4.1 & 3.5.0

New Camera Supported:

Everfocus:	EAN3200, EHN3200, EDN3240, EZN3240
Samsung:	SNB-1000, SND-7080, SNO-5080R, SNP-3120V, SNP-3370, SNP-3430H,
	SNP-5200, SNP-5200H, SNV-5010, SNV-5080R, SNZ-5200
VIVOTEK:	FD8162, FD8361L, FD8362, FD8362E, SD8362E

Notice:

13. Bug Fixed the bug thated:

● Fixed the bug that Sony preset name length issue.

● Fixed the bug that Panasonic WV-SP105 auto detect failure.

Release Version v1.11.0 (2011/05/31)

Modules:

Device Pack   v 1.11.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2 & v 3.3.12 & v 3.4 & 3.4.1 & 3.5.0

New Camera Supported:

ACTi:	KCM5111, TCM4001
AXIS:	P3346, P3346-V, P3346-VE
CTCunion:	DVS-8501E, DVS-8504E
Panasonic:	DG-SF334, WV-SF342, WV-SF346
Samsung:	SNB-5000, SND-5080/F, SNV-3120, SNV-5080
Santec:	SNC-3903M, SNC-5321MIR, SNC-6163ID, SNC-6223MIR, SNC-6303M, SNC-P3603M
Sony:	SNC-DH110/B, SNC-DH110/W, SNC-DH110T/B, SNC-DH110T/W
Videosec:	ICS-13, ICS-20F, ID-20
VIVOTEK:	IP8362, MD7530, VS8801
UDP:	NVC1000

Notice:

1. Bug Fixed the bug thated:

    ● Fixed the bug that Dallmeier preset function dump

    ● ONVIF check startcode if using RTSP for H264 codec

    ● Fixed the bug that Vivotek IP 7133 can't use AAC codec issue

Release Version v1.10.0 (2011/04/15)

Modules:

　　Device Pack　　　　　　v 1.10.0

Supported Systems:

　　MainConsole　　　　　　v 3.3.0 & v 3.3.2 & v 3.3.12 & v 3.4 & 3.4.1

New Camera Supported:

Arecont:	AV1325, AV2825, AV8185DN, AV8365DN
AXIS:	P1347, P1347-E, P5532, P5532-E, P5534-E, Q1921, Q1921-E
D-link:	DCS-6511, DCS-7410
Fine:	EDH-02H, SP-PTIR737-LA-IP, TCP-IR590-WD30, TCP-IR590-WD50, TCP-IRH5030C, TCP-IRH5040C
IQinvision:	IQ732N
Panasonic:	WV-SC384, WV-SC385, WV-SW395
Sony:	SNC-DH210/B, SNC-DH210/W, SNC-DH220, SNC-DH220T
vForge:	VFA1
VIVOTEK:	FD8133V, FD8134V, IP8151P, IP8162, IP8162P, MD7560

Notice:

1. Bug Fixed the bug thated:
   - ACTi CAM7301: auto detection failure issue.
   - Arecont Camera: auto detection failure issue.
   - Axis Q7401 sync preset point issue.
   - Dynacolor NH061: broken image issue (H.264/1280x720).

2. Bosch speed dome V4G series supported by Axis video server (test by model Q7404).

Release Version v1.9.0 (2011/02/28)

Modules:

Device Pack   v 1.9.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2 & v 3.3.12 & v 3.4 & 3.4.1

New Camera Supported:

Arecont:	AV1315, AV2815
AXIS:	212 PTZ-V, 215 PTZ-E, 240Q Blade, 241Q Blade, 241S Blade, 243Q Blade, P1343-E, P1344-E, P1346-E, Q1755-E, Q6034-E
Lilin:	IPS025, IPS030, IPS035, IPS125, IPS130, IPS135, IPS203, IPS212
Panasonic:	WV-SP102, WV-SP105
Sony:	SNC-CH260, SNC-CH280, SNC-DH210T/B, SNC-DH210T/W, SNC-DH260, SNC-DH280

Notice:

1. Dallmeier DDZ40SM-HD: Add TCP connection, DI/DO and two-way audio.

2. Bug Fixed the bug thated: Panasonic WV-NS202A auto detection failure.

Release Version v1.8.0 (2010/12/31)

Modules:

Device Pack   v 1.8.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2 & v 3.3.12 & v 3.4

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New Camera Supported:

ACTi:	TCM7811,
Hikvision:	DS-2CD7133-E, DS-2CD7153-E
Levelone:	FCS-0040, FCS-3081, FCS-5051, FCS-5041, WCS-0040
Lilin:	IPD112ESX, IPD552EX, IPR414ESX, IPR418ESX, IPR454, IPR458
Sony:	SNC-CH110/B, SNC-CH110/S, SNC-CH220

Notice:

1. Bug Fixed the bug thated: Users can adjust Arecont camera's resolution by setting four video coordinate values. (Not support Arecont 8000 series cameras.)

Release Version v1.7.0 (2010/11/12)

Modules:

Device Pack v 1.7.0

Supported Systems:

MainConsole v 3.3.0 & v 3.3.2 & v 3.3.12 & v 3.4

New Camera Supported:

ACTi:	ACM5811, ACM7511, TCD2100, TCM3001, TCM3011, TCM3401, TCM3411, TCM4201, TCM5001, TCM7011
ARM:	MP13DDNWD, MP13VPDN
Camtron:	IPH3611N, NVE1000A, NVE2000A, NVE4000A
CryptoTelecom:	S-152
Dallmeier:	DDZ40SM-HD
Panasonic:	BL-C210, BL-C230, WJ-GXE500, WV-SF332, WV-SF335, WV-SF336, WV-SP302, WV-SP305, WV-SP306
Samsung:	SNS-100
Sony:	SNC-CH120, SNC-CH160, SNC-CH210/B, SNC-CH210/S, SNC-DH120, SNC-DH120T, SNC-DH140T, SNC-DH160, SNC-DH240T
Truen:	TCAM-570
VIVOTEK:	FD8133, FD8134, IP8132, IP8151, IP8330, IP8332, PZ7132, SD81X1

Notice:

1. Bug Fixed the bug thated: Panasonic WV-NP502 won't show error message when switching video codec to H.264.

Release Version v1.6.0 (2010/10/7)

Modules:

Device Pack   v 1.6.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2 & v 3.3.12

New Camera Supported:

Arecont:	AV2805
Camtron:	CMNC-130, CMNC-200, CTNC-5358D, HLC-81A D/P, HLC-83V, HLC-83V/W
	HLC-84V, HLC-84V/W
Honeywell:	ACUIX, HCD554IP, HD3MDIP, HD4DIP, HD4MDIP, HNVE1
PELCO:	IX10
Pixord:	P600, P606, PB630, PD634, PL621, PV6901
SAE:	ANNA 200M, E588HDE18C, E688HDE10

Notice:

1. Bug Fixed the bug thated: Fine WB-8211SDU can use PTZ function.

Release Version v1.5.0 (2010/8/31)

Modules:

Device Pack   v 1.5.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2 & v3.3.11

New Camera Supported:

Brickcom:	CB-100A, CB-100Ae, FB-100A, FB-100Ae, FD-100Ae, WCB-100Ae, WFB-100Ae
Fine:	CDV-3VM301, CDV-3VM501, CDV-3VWD960, CDV-3VWD960H, EP-601HW, EP-908HW, EP-936HW, EP-HTQ935, EP-Q2018H-IP, EP-Q2018HW-IP, EP-Q2026H-IP, EP-Q2026HW-IP, EP-Q2036H-IP, EP-Q2036HW-IP, MD-D1612, SP-PTIR737-IP, TCMA-99, TCMP-99, TCP-IPWD690, TCP-IPWD700DN, TCP-IRV540, TCP-IRV560/50M, TCP-MH802, TCP-VM201, TCP-VM501, WB-H811, WB-H814
Hikvision:	DS-2CD702NF-E, DS-2CD702PF-E, DS-2CD712NF-E, DS-2CD712PF-E, DS-2CD732F-E, DS-2CD792NF-E, DS-2CD792PF-E, DS-2CD802N-IR1, DS-2CD802N-IR3, DS-2CD802N-IR5, DS-2CD802P-IR1, DS-2CD802P-IR3, DS-2CD802P-IR5, DS-2CD832F, DS-2CD832F-E, DS-2DF1-401H, DS-2DF1-402H, DS-2DF1-601H, DS-2DF1-602H, DS-2DF1-603H, DS-2DF1-604H, DS-2DF1-605H, DS-2DF1-606H, DS-2DF1-607H, DS-2DF1-611H, DS-2DF1-612H, DS-2DF1-613H, DS-2DF1-614H, DS-2DF1-615H, DS-2DF1-616H, DS-2DF1-617H, DS-2DM1-602H, DS-2DM1-603H, DS-2DM1-604H, DS-2DM1-612H, DS-2DM1-613H, DS-2DM1-614H, DS-6101HFI-SATA, DS-6104HCI, DS-6104HCI-SATA
NetworkCamera:	GE-100-CB, GP-100-CB, WGE-100-CB, WGP-100-CB
PELCO:	ID10, ID30, IDE20, IDS0, IE10, IE30, IEE10, IEE20, IES0, IMS0, IX30, IXE20, IXS0
Sony:	SNC-RS44N, SNC-RS44P, SNC-RS46N, SNC-RS84N, SNC-RS84P, SNC-RS86N, SNC-RS86P, SNT-EP104, SNT-EX101
Videosec:	IBF-211, ID-209, IDA-210, IP-206M, IS-240

Notice:

1. Bug Fixed the bug thated**:** SANYO-HD5600P can change resolution.
2. Onvif supported**:** AXIS_P3301, Bosch_NWC-0455

Release Version v1.4.0 (2010/8/9)

Modules:

Device Pack   v 1.4.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2 & v 3.3.11

New Camera Supported:

    iCanTek: iCanView362MP, iCanView332MP, iCanView350MP, iCanServer612

    SANTEC: SNC-3901MDN, SNC-P3601M

Release Version v1.3.0 (2010/7/21)

Modules:

    Device Pack   v 1.3.0

Supported Systems:

    MainConsole   v 3.3.0 & v 3.3.2

New Camera Supported:

ACTi:	TCM-1511
Arecont:	AV10005
AXIS:	M1103, M1113, M1054, Q6034
Panasonic:	BB-HCM547A, BB-HCM701
SANTEC:	SNC-6201M, SNC-5211MIR
Sony:	SNT-EX154, SNT-EX101E, SNT-EP154, SNC-CH140, SNC-DH140, SNC-CH180, SNC-CH240, SNC-DH240, SNC-RH164, SNC-RS46P

Notice:

1. Sony SNC-CH240, SNC-DH240 do not support resolution over 1920x1080

Release Version v1.2.0 (2010/6/8)

Modules:

Device Pack   v 1.2.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2

New Features

1. Support Arecont I/O function

New Camera Supported:

ACTi:	ACM-3601, ACM-3603, ACM-3701, ACM-3703, ACM-4001
	TCD-2500, TCM-4101, TCM-5312, TCM-1231, TCM-1232
	TCM-5601, TCM-5611, TCM-3511, TCM-7411
Arecont:	AV3135, AV1310, AV2110, AV3110, AV5110
AXIS:	P1346, P5534, Q1910, Q1910-E, M1104, M1114
	M3203, M3203-V, M3204, M3204-V, P3304, M7001
CNB:	IDC4000T, IVC4000T
IQeye:	IQ040S, IQ041S, IQ042S, IQD30S, IQD31S
	IQD40S, IQD41S, IQD42S, IQ540S, IQ541S, IQ542S
Panasonic:	BB-HCM100, BB-HCM110, BB-HCM580, BL-C140A
Samsung:	SNB-2000, SNB-3000, SND-3080, SNV-3080
Sanyo:	VCC-HD2500, VCC-HD2500P
Sony:	SNT-EX104, SNC-DH180, SNC-RH124
StarDot:	SDH500BN, SDH500B, SDH300B, SDH130BN, SDH130B
	SDH500VN, SDH500V, SDH300V, SDH130VN, SDH130V

Notice:

1. Bug Fixed the bug thated: Fixed the bug thated MainConsole unexpected crash issue with Mobotix Q24M-sec camera.

Release Version v1.1.1 (2010/5/12)

Modules:

Device Pack v 1.1.1

Supported Systems:

MainConsole v 3.3.0 & v 3.3.2

New Camera Supported:

CNB:	IBE3815NVR, IBE3815PVR, IBE5810NCR, IBE5810PCR
	IDP4000VD, IDP4000VR, IDP4030VR, IGP1000, IGP1030
	IJB2000, INS2000, IPM3063N, IPM3063P, ISMC1063N, ISMC1063P
	ISS2765NW, ISS2765PW, IVP4000VR, IVP4030VR
LevelOne:	FCS-7111

Release Version v1.1.0 (2010/5/4)

Modules:

Device Pack   v 1.1.0

Supported Systems:

MainConsole   v 3.3.0 & v 3.3.2

New Camera Supported:

ACTi:	AMU-9401, AMU-9711, TMU-9811, TMU-9911
Bosch:	NW-455
Brickcom:	WCB-100A, WFB-100A, FD-100A
CISCO:	WVC210
Dynacolor:	nNH221, nNH061, V1, V6
Everfocus:	EAN-850A, EZN-850, EDN-800, EDN-850H, EAN900, EAN800AW, EAN800A
	EVS200A, EVS200AW, EPN2700, EPN3100, EPN3600
LevelOne:	FCS-3031, FCS-3051, FCS-1131, FCS-1141, FCS-3071, FCS-0030, WCS-0030
	FCS-1121, FCS-3061, FCS-4020, FCS-1040 v3.0, WCS-2040 v3.0, FCS-1151
MOBOTIX:	D24M-Basic, D24M-IT, D24M-Sec
Panasonic:	BB-HCM705A, BB-HCM715A, BB-HCM735A
Samsung:	SNP-3300A
SanTec:	SNC-390DN/W, SNC-521IR/W, SNC-565IR/W, SNC-620/W, SNC-670ID/W
Sanyo:	VCC-HD3500, VDC-HD3500, VDC-HD3500p, VCC-HD2100, VCC-HD2100P
	VCC-HD2300, VCC-HD2300P, VDC-HD3100, VDC-HD3100P
	VCC-HD3300, VDC-HD3300, VDC-HD3300P, VCC-HD4600, VCC-HD4600P
	VCC-HD5400, VCC-HD5400P, VCC-HD5600, VCC-HD5600P
StarDot:	SD-130, SD-300, SD-500, SDEXP4, SDEXP2
VIVOTEK:	IP8161, VS8102, FD8161, FD8361

Notice:

1. Only compatible with NUUO MainConsole v3.3.0 above
2. Must install Main Console software before install device pack v1.1.0

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