

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
Crystal Titan	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 Crystal Titan 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:
 - a. 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)
 - b. 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. (Crystal Titan only)
 - vi. The image of OB-200Ap sometimes cannot be updated under the protocol of TCP. (Crystal Titan 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. (Crystal Titan 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/Crystal Titan)

- 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)
 - 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:

Mainconsole:

1. [VisionHitech] Fixed the issue that camera Vision-SMi stream is disconnected.

NVRmini 2:

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

NVRsolo

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

Titan NVR:

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

Crystal Titan:

1. [Samsung] Fixed the issue that SNF-7010 2nd stream is disconnected.
2. [Centrix] Fixed 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:

Mainconsole:

2. [Axis] Fixed compatibility issues with using multi stream function.
3. [Vivotek] Fixed 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
Crystal Titan	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:

- 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:

- Support multi stream setting function with NVRmini 2/NVRsolo v2.0.0 and above on Axis PQM series from DP v3.2.0.
- 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 fix it with the next product version update.
- Support PTZ function on ACTi Generic.
- 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.
- Support Vivotek smart stream function on Mainconsole.

Notice:

- Acti:
 - I71
 - The camera resolution N640x360 should be N640x480.
- CNB:
 - 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:

Mainconsole:

- 4. [LG] Fixed compatibility issues with adding cameras LG LVS201.
- 5. [Onvif/Onvif] Fixed the issue that causes Mainconsole to restart when selecting onvif/onvif settings on a camera
- 6. [Arecont] Fixed the display mosaic issue on Arecont AV10115 when switching to D/N mode in live view.
- 7. [Zavio] Corrected PTZ speed range and auto pan speed setting on Zavio P6210 and 812x cameras.
- 8. [Messoa] Messoa PRO series cameras are now correctly labeled as "Messoa Pro" cameras.
- 9. [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 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 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 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 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 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 issue that causes frame rate to double when enabling audio functions.

Crystal Titan:

3. [Axis] Dewarp function now supports Axis M3007 camera.
4. [Arecont] Fixed 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 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
Crystal Titan	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
Messo	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/Crystal Titan)

- 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/Crystal Titan)
 - 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/Crystal Titan)
 - 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:

Mainconsole:

- 10. [Hikvision] Fixed the issue that camera will become manual focus mode when reconnecting the camera or restarting Mainconsole.
- 11. [Dlink] Fixed the issue on DCS-5615 that the default brightness setting is not synchronized with the camera's web.
- 12. [Dlink] Fixed the issue on DCS-942L that the stream format and frame rate is not synchronized with Mainconsole settings.
- 13. [Vivotek] Fixed the issue on VS8401 / VS8801 that only the first channel of the camera is connectable.

NVRmini 2:

- 1. [Onvif] Fixed the issue that Onvif/Onvif will use first profile for default connecting profile.
- 2. [Vitek] Fixed UPnP search fail issue.

3. [Hikvision] Fixed the issue that the camera parameters are not changed by generic model.
4. [Axis] Fixed the issue that the camera will disconnected when changing grid layout.
5. [CNB] Fixed the issue that the multi stream is disconnected.
6. [Centrix] Fixed the issue that the multi stream information is incorrect displayed for generic model.

NVRsolo:

1. [Onvif] Fixed the issue that Onvif/Onvif will use first profile for default connecting profile.
2. [Vitek] Fixed UPnP search fail issue.
3. [Hikvision] Fixed the issue that the camera parameters are not changed by generic model.
4. [Axis] Fixed the issue that the camera will disconnected when changing grid layout.
5. [CNB] Fixed the issue that the multi stream is disconnected.
6. [Centrix] Fixed the issue that the multi stream information is incorrect displayed for generic model.

Titan NVR:

1. [Onvif] Fixed the issue that Onvif/Onvif will use first profile for default connecting profile.
2. [Vitek] Fixed UPnP search fail issue.
3. [Hikvision] Fixed the issue that the camera parameters are not changed by generic model.
4. [Axis] Fixed the issue that the camera will disconnected when changing grid layout.
5. [CNB] Fixed the issue that the multi stream is disconnected.
6. [Centrix] Fixed the issue that the multi stream information is incorrect displayed for generic model.

Crystal Titan:

1. [Onvif] Fixed the issue that Onvif/Onvif will use first profile for default connecting profile.
2. [Vitek] Fixed UPnP search fail issue.
3. [Hikvision] Fixed the issue that the camera parameters are not changed by generic model.
4. [Axis] Fixed the issue that the camera will disconnected when changing grid layout.
5. [CNB] Fixed the issue that the multi stream is disconnected.
6. [Centrix] Fixed 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:

NVRmini 2:

1. Fixed 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
Crystal Titan	v 2.0.3 and above

*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:

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:

Mainconsole:

14. [Onvif] Fixed the issue that causes Mainconsole error when adding cameras

NVRmini 2:

1. [IPPower] Fixed the issue that causes live view delay and incorrect camera fps display.
2. [Vivotek] Fixed the issue that causes FD8136 dual stream do not display correctly.
3. [RTSP] Fixed the issue that CPU loading will increase after audio function turn off.

NVRsolo:

1. [IPPower] Fixed the issue that causes live view delay and incorrect camera fps display.
2. [RTSP] Fixed the issue that CPU loading will increase after audio function turn off.

Titan NVR:

1. [IPPower] Fixed the issue that causes live view delay and incorrect camera fps display.
2. [Sony] Fixed the issue that causes Sony camera to disconnect.
3. [RTSP] Fixed the issue that CPU loading will increase after audio function turn off.

Crystal Titan:

1. [Sony] Fixed the issue that causes Sony camera PTZ speed delay.
2. [IPPower] Fixed the issue that causes live view delay and incorrect camera fps display.
3. [RTSP] Fixed the issue that CPU loading will increase after audio function turn off.

Release Version v2.20.0 (2013/12/26)

Modules:

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
Crystal Titan	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
Messo	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,

Sony

SNC-6315IRH and SNC-8322I/HO (firmware_1.0.3.447)

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/Crystal Titan)

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/Crystal Titan)

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/Crystal Titan) (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:

Mainconsole:

1. [D-Link] Fixed VBR setting issue.

NVRmini 2:

1. [Fine] Fixed the issue that TCP-HFB1080D does not support UPnP.
2. [Samsung] Adjusted SNP-5300 PTZ default speed to 3.
3. [Sony] Fixed the issue that all Sony cameras might disconnect.

NVRsolo:

1. [Fine] Fixed the issue that TCP-HFB1080D does not support UPnP.
2. [Samsung] Adjusted SNP-5300 PTZ default speed to 3
3. [Sony] Fixed the issue that all Sony cameras might disconnect.

Titan NVR:

1. [Fine] Fixed the issue that TCP-HFB1080D does not support UPnP.
2. [Sony] Fixed the issue that all Sony cameras might disconnect.
3. [Samsung] Adjusted SNP-5300 PTZ default speed to 3

Crystal Titan:

1. [Sony] Fixed 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:

Mainconsole:

1. [Onvif/Onvif] Fixed the issue that Mainconsole will dump when connecting.
2. [Santec] Fixed the issue that SNC-4302, SNC-8322I/HO, SNC-3322 will dump when connecting.
3. [Fine] Fixed the issue that TCP-MH859 does not support MJPEG with resolution 2048x1536 and 2592x1944.
4. [Vivotek] Fixed multicast stream issue.
5. [Axis] Fixed the issue that P8221 output cannot work.

NVRmini 2:

1. [Fine] Fixed the issue that TCP-MH859 does not support MJPEG with resolution 2048x1536 and 2592x1944.
2. [Vivotek] Fixed multicast stream issue.
3. [Axis] Fixed M3007 unable to connect issue.

4. [Axis] Fixed the issue that P8221 output cannot work.

NVRsolo:

1. [Fine] Fixed the issue that TCP-MH859 does not support MJPEG with resolution 2048x1536 and 2592x1944.
2. [Vivotek] Fixed multicast stream issue.
3. [Axis] Fixed M3007 unable to connect issue.
4. [Axis] Fixed the issue that P8221 output cannot work.

Titan NVR:

1. [DynaColor] Fixed the issue that Live View shows "No Data" on the iViewer issue.
2. [Hikvision] Fixed the issue that Generic model motion does not work issue.
3. [Fine] Fixed the issue that TCP-MH859 does not support MJPEG with resolution 2048x1536 and 2592x1944.
4. [Vivotek] Fixed multicast stream issue.
5. [Axis] Fixed M3007 unable to connect issue.
6. [Axis] Fixed the issue that P8221 output cannot work.

Release Version v2.18.0 (2013/10/28)

Modules:

Device Pack v 2.18.0

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:

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)

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:

Mainconsole:

1. [Onvif/Onvif] Fix the issue that it will cause Mainconsole crash when get incorrect preset name.
2. [DLinkCN] Fix the issue that it will not work on Pan, tilt with DCS-H90-31D2.
3. [D-Link] Fix DI/DO fail issue with DCS-6915.
4. [Hikvision] Fix the issue that it will cause crash when get incorrect RTSP video packet.

NVRmini 2:

1. [D-Link] Fix dual stream disconnect issue on DCS-5010L.
2. [Samsung] Fix the issue that the motion detection does not work on SNO-7082.
3. [Vivovtek] Fix VS8801 dual stream incorrect channel display issue.
4. [Axis] Fix P5532-E dual stream disconnect issue.
5. [Hikvision] Fix the issue that it will cause crash when get incorrect RTSP video packet issue.

NVRsolo:

1. [Samsung] Fix the issue that the motion detection does not work on SNO-7082.
2. [Vivovtek] Fix VS8801 dual stream incorrect channel display issue.
3. [Axis] Fix P5532-E dual stream disconnect issue.
4. [Hikvision] Fix the issue that it will cause crash when get incorrect RTSP video packet issue.

Titan NVR:

1. [Fine] Fix dual stream disconnect on WB-H814 issue.
2. [Samsung] Fix the issue that the motion detection does not work on SNO-7082.
3. [Vivovtek] Fix VS8801 dual stream incorrect channel display issue.
4. [Axis] Fix P5532-E dual stream disconnect issue.
5. [Hikvision] Fix the issue that it will cause crash when get incorrect RTSP video packet issue.

Release Version v2.17.1 (2013/09/30)

Modules:

Device Pack	v 2.17.1
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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:

NVRmini 2:

2. Fix that ACTi camera dump issue.

NVRSolo:

1. Fix that ACTi camera dump issue.

Titan NVR:

1. Fix that ACTi camera dump issue.

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
InscapData 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:

Mainconsole:

1. Fix that RTSP timeout causes Samsung camera disconnect issue.
2. Fix that Panasonic BL-VT164 cannot use PTZ issue.
3. Fix that DynaColor V6 disconnect issue.
4. Fix that Zavio P5111, P5116, P5210 PTZ speed range is not synchronize between camera setting and web.

NVRmini 2:

1. Fix that RTSP timeout causes Samsung camera disconnect issue.

Titan NVR:

1. Fix that Samsung SNP-3302/H cannot use PTZ issue.
2. Fix that Hikvision Generic cannot use focus function issue.
3. Fix 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 Mileight 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:

Mainconsole:

5. Onvif: Fix the issue that enable auto reboot, sometimes it does not start the recording schedule.

NVRmini 2:

1. Vivotek: Fix FE8172V auto detect issue.

Titan NVR:

4. Fix the issue that Generic RTSP model will disconnect in NuClient live view but it is still recording.
5. Fix the issue when reboot Titan NVR, the IP cameras will disconnect and do not record.

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.
 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.
- 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:

Mainconsole:

1. Fix UDP NVC 1000 will disconnect randomly and show "connecting" all the time.
2. Fix when click PTZ focus panel cause terminate abnormal issue.
3. Fix terminate abnormal issue when use Onvif null-pointer.

NVRmini 2:

2. Fix terminate abnormal when use Onvif null-pointer.
3. Fix no video display by setting MJPEG and MPEG4 format with Vivotek FD8135H.

NVRsolo:

1. Fix cannot connect to Eneo PXD-1020F02 issue.
2. Fix when connect Santec SNC-3302, SNC-5312, SNC-5315, SNC-6202, SNC-6212IR and SNC-6312IRH will cause solo crash issue.
3. Fix terminate abnormal when use Onvif null-pointer.
4. Fix 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. Fix cannot connect Honeywell HDEZ20HDEX (firmware H20120808NSA) issue.
8. Fix terminate abnormal when use Onvif null-pointer.
9. Fix no video display by setting MJPEG and MPEG4 format with Vivotek FD8135H.

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:

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

甲、 For D and E series camera

Fix the Fragment IP assembly timer handler panic to reboot.

乙、 E13 and the certificate

It will disconnect with NUUO product abnormally.

丙、 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

甲、 CDB-5VM551

Not support MJPEG with resolution 2592x1944.

乙、 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.

丙、 TCP-HP1080

Received only half of fps with web setting

f. Digital watchdog

甲、 Not support dual stream when select single stream for ONVIF setting at webpage.

乙、 There is a valid resolution 320x0 in profile1 at MJPEG.

丙、 The quality value does not synchronize with webpage quality value.

丁、 It is invalid with frame rate 0.

戊、 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

甲、 Super Model (Tested by DCS-2332L)

It is incorrect with Resolution List and Bitrate List information.

Quality mode switch does not support (CBR/Fix quality)

h. Arecont

甲、 AV12186

DI cannot work.

i. EverFocus

甲、 For EMN2320, no support MPEG4.

乙、 For EMN2320, cannot switch CBR/VBR and only support VBR.

丙、 For EMN2320, no support 720x480, 704x480 and 640x480 resolution.

丁、 For ETN2110, motion detection is not compatible with MPEG4 codec because of camera firmware issue.

j. Zavio

甲、 For F3210, Video resolution cannot change when only setup resolution.

乙、 For F3210, the AMR mode of talk function cannot work.

Bug fixed:

Mainconsole:

4. Sometimes click liveview will cause Mainconsole 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

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:

- 甲、NUUO recommend customers use CLOSE network environment as ACTi may shut down and restart automatically in some complex network environment.
- 乙、ACTi will continue to figure out the reason and help to solve this issue.
- 丙、The audio stream of E13 unstable sometimes, even though in VLC and web.

l. Centrix Generic model:

- 甲、The bitrate of dual stream cannot come to 500kbps when main stream setting is MJPEG and CIF.
- 乙、Parameter setting will fail when enable multi-stream and resolution higher than 1080p.
- 丙、Camera firmware must be cx20130506NSA or above then can use generic model.

m. DynaColor Generic model:

- 甲、Parameter setting will fail when enable multi-stream and resolution higher than 1080p.
- 乙、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:

- 甲、Can not trigger motion alarm under H.264 1fps.
- 乙、Can not search camera by UPnP when change http port except 80.
- 丙、H.264 fps may not enough under TCP connection in high quality and frame rate settings.

q. Digital Watchdog MD421TIR

- 甲、Not support Zoom, Focus, Talk and VideoParamSetting(MainConsole only)
- 乙、Not support dual stream when select single stream for ONVIF setting at webpage.
- 丙、Setting frame rate to 0 did not work.
- 丁、MJPEG with resolution 320x240 is invalid.
- 戊、Quality value is not synchronized with webpage.
- 己、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

甲、 Not support audio codec G.726 when using TCP connection.

s. Arecont AV3146DN-3310-D and AV3256PM

甲、 The streaming has low FPS under high quality.

t. JVC VN-H657U

甲、 Firmware Issue: MJPEG video stream is unstable over high resolutions such as 1920X1080, 1280x720.

u. JVC VN-T16U

甲、 Firmware Issue: MJPEG video stream is unstable over high resolutions such as 1920X1080, 1280x720.

乙、 Firmware Issue: The Encoder parameters may not sync camera web.

v. JVC VN-H57

甲、 Firmware Issue: MJPEG video stream is unstable over high resolutions.

w. JVC VN-H137

甲、 Firmware Issue: H264 video stream is unstable over low frame rate.

x. Zavio D7320

甲、 Talk function cannot work due to firmware issue.

乙、 When change the HTTP port from 80 into 8080, camera send IP address which including parentheses, such as [192.168.1.66].

丙、 When setting highest video setting with H.264, the fps could not reach up to 20.

y. UDP

甲、 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.

乙、 IPN3502HD

i. When setting highest video setting in main stream, the second stream will unstable and cannot work both in H.264 and MJPEG.

丙、 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

甲、 Not support MPEG4.

乙、 Can not switch CBR/VBR and only support VBR.

丙、 EDN1320 no support 720x480, 704x480 and 640x480 resolution.

aa. Vivotek IP8152

甲、 CGI returns a wrong PTZ capability.

Bug fixed:

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).

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:

甲、NUUO recommend customers use CLOSE network environment as ACTi may shut down and restart automatically in some complex network environment.

乙、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

甲、When select high resolution, camera's frame rate will less than 30fps.

乙、PTZ Home will stop when disable the home button at titan.

丙、Image broken at high resolution.

丁、Not support AAC codec.

ee. D-Link

甲、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.
- 乙、DCS-6817B1
 - i. PTZ Autopan does not work
 - ii. When enable mic only, the camera does not send any audio package.
- 丙、DCS-6915
 - i. Not support talk
- 丁、DCS-2332L
 - i. In H.264 format, setting 1 fps and under 512kbps with max resolution cause unstable connection.
- ff. Dahua
 - 甲、IPC-HDBW3101, IPC-HDB3101 and IPC-HFW3101C
 - i. FW issue, bit rate range is different between camera web and response to cgi.
- gg. Hikvision
 - 甲、DS-2CD2012-I
 - i. DS-2CD2012-I FW issue: not support PTZ function but web setting can enable this option.
- hh. Planet
 - 甲、ICA-H652-PA-220
 - i. Camera response slow.
 - ii. IO trigger time will delay about 3 secs.
 - iii. Audio has some noise in web site.
- ii. Santec
 - 甲、SNC-6302, SNC-3305, SNC-63115IRH
 - i. M-JPEG on high resolution and quality may not get parameter.
 - ii. Audio has some noise in high resolution.
- jj. Sunell SN-IPV54/31UDN:
 - 甲、FW issue: Camera will reboot when MJPEG 2048x1536, 1920x1080 and quality 9.
- kk. Bosch NDN-265-PIO:
 - 甲、It can't set resolution below 1280x720 when stream2 property set to "Copy Stream 1".
 - 乙、When H.264 quality is set to "0", the camera will Auto-adjust the quality setting. For minimum quality, the value should be "100".
 - 丙、Audio AAC can't work due to NUUO platform issues.
- ll. Etrovision EV8180A, EV8580A, EV8581A, EV8780A, EV8781A and EV8782A
 - 甲、Not support Talk.
 - 乙、With four profiles mode only support resolution 640x480. (camera limitation)

丙、 Not support MPEG4 in NVRmini 2/NVRsolo/TitanNVR.

丁、 Motion Detection only works on H.264.

戊、 It needs to reboot after changing HTTP port.

mm. Fine ACM-B3000, ACM-V3001, ACM-V3002, ACM-R3002

甲、 MJPEG only support when MPEG4/H264's resolution is lower than 1280x720 in Mainconsole.

nn.CNB

甲、 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.

乙、 IGP1030, IBP5030CR, IVP4030VR and IDP4030VR

i. In the MJPEG format, the fps is not enough when resolution is XGA or SXGA.

丙、 IGP2035F, IDP5035VR, ISS4032Z28W, IVP5035VR, IXP3035VR

i. Cannot set bitrate 128kbps when the resolution is D1 or VGA. It is firmware issue.

丁、 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

甲、 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.

乙、 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.

丙、 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

甲、 The audio function of AMR7.95 cannot work.

乙、 The talk function with AMR codec cannot work.

丙、 The max frame rate of MPEG4 is up to 20 FPS in 1280x800. It is the limitation of hardware.

Bug fixed:

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.

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)
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Notice:

8. Known issue:

qq. American Dynamics ADCi600-D131

甲、Not support UPnP search.

乙、Not support motion detection at MJPEG mode.

rr. Fine CDB-MV720F

甲、Frame rate cannot reach 30fps.

ss. Fine ACM-R2001

甲、Frame rate may not enough about 2~8 fps because of camera design.

tt. Sunell SN-IPC54/40EDN

甲、MJPEG 2592x1920 will image broken due to camera FW issue.

乙、Camera will reboot when MJPEG 2048x1536 and quality 9 due to camera FW issue.

uu. Sunell VSR54/01

甲、MJPEG 2592x1920 will image broken due to camera FW issue.

乙、DI can't work correctly due to camera FW issue.

vv. Etrovision EV8180Q-XD, EV8782Q-BD

甲、Not support Talk.

乙、Under four profile mode only support resolution 640x480. (camera limitation)

丙、Not support MPEG4 in NVRmini 2/NVRsolo/TitanNVR.

丁、Motion Detection only works on H.264.

戊、It needs to reboot after changing HTTP port.

ww. LevelOne FCS-1132, FCS-3052, FCS-5052, FCS-5062

甲、The Motion Detection of MPEG4 is error.

乙、In Night mode, the Saturation cannot set. It is FW issue. (FCS-5062)

xx. Sony SNC-CH210, SNC-CH260, SNC-DH120, SNC-ER550

甲、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.

乙、The number of connection is 1 for JPEG and 2 for H264 and MPEG4 at the same time.

丙、The PTZ function only support zoom in/out, focus near/far and auto focus function. (SNC-CH260, SNC-DH120)

丁、The connection cannot established with high probability when selected JPEG, high resolution and high quality. (SNC-DH120, SNC-ER550)

yy. Zavio F3102, F3107, F3115

甲、Under AMR 7.95 mode cannot use talk and audio function.

乙、The max frame rate of MPEG4 is up to 20 FPS in 1280x800. It's camera limitation.

zz. D-Link

甲、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 quality to "Excellent" and save, then change the Mode to H.264, the "Fixed 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

乙、DCS-3010:

- i. Firmware Issue: Not support Talk
- ii. Firmware Issue: Bitrate setting
(more than 2Mbps will cause broken-image and image delay)

aaa. D-Link China:

甲、DCS-N62-40H2

- i. Firmware Issue: Not support Motion Detection
- ii. Firmware Issue: Bitrate List on web shows 3Mbps
(the truly Bitrate value of camera could be 3Mbps or 2.5Mbps)
- iii. Speed setting only support pan speed(synchronized with Tilt speed)

乙、DCS-N40M-81H3

- i. Not support TCP/UDP

bbb. Hikvision Generic model:

- 甲、The camera setting will be failed, when sub stream resolution bigger than main stream resolution in Rapter platform.

ccc. ADT-VSDVS-4C

甲、Talk can't be use after setup audio codec.

乙、Tilt up and down can't be use.

丙、Name of preset point only support a-z A-Z @-_!

ddd. ADT-VSDVZ5MP-VF3090IRI and ADT-VSDVZ5MP-VF3090IRO

甲、Audio codec is wrong under AMR.

乙、Camera may not connect under highest resolution, highest bit rate and lower frame rate.

丙、Tilt up and down cannot use.

eee. TCIP-Typ213MDN22x

甲、Not support auto detection.

乙、Not support DI/DO and audio.

丙、Not support setup PTZ speed.

丁、Video stream will have low frame rate with high quality under MJPEG.

戊、Not support UPnP search.(Mainconsole)

己、The frame rate does not synchronize with web under MJPEG.

fff. Bosch NWD-495, NWC-495, NWD-455, NWC-455

甲、 Auto detect model unsupported

乙、 H.264 supports up to a maximum of 2CIF as this utilizes the Baseline Profile.

丙、 When H.264 quality is set to '0', the camera will auto-adjust the quality setting. For minimum quality, the value should be '100'.

丁、 When MJPEG quality is set to '0', the camera will auto-adjust the quality setting. For minimum quality, the value should be '1'.

戊、 MJPEG frame rate depends on camera load. Value in settings dialog is not representative of actual frame rate

ggg. Bosch NDC-225

甲、 When H.264 quality is set to '0', the camera will auto-adjust the quality setting. For minimum quality, the value should be '1'.

乙、 MJPEG quality depends on camera load. Value in settings dialog is not representative of actual quality.

丙、 Audio Codec support g711, not support L1, AAC.

hhh. Bosch VIP X1 XF E

甲、 When H.264 quality is set to '0', the camera will auto-adjust the quality setting. For minimum quality, the value should be '1'.

乙、 MJPEG quality depends on camera load. Value in settings dialog is not representative of actual quality.

丙、 Audio Codec support g711, not support L1, AAC.

丁、 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.

戊、 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)

甲、 (MainConsole)Firmware Issue: Not support Motion Detection, DI, DO, video setting(Brightness/Contrast/Saturation)

乙、 (Mini2/Titan/Solo) Only support main stream video, camera setting(1920x1080, 1280x960, 1280x720). The other resolution not mentioned above are not supported.

Bug fixed:

Mainconsole:

1. Zavio V111T: The zoom in/out cannot stop.
2. Sunell: DI can't work. (except VSR54/01 fw issue can not fix)
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 fix)
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 fix)
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:

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.

III. 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

- 甲、 For FCS-4041, High video parameter causes slow CGI command response.

Bug fixed:

Mainconsole:

- Fix Zavio F210A motion detection cannot be triggered.

NVRmini 2:

- None

Titan NVR:

- Fix 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:

none

Bug fixed:

Mainconsole:

- Mainconsole would probably occur unexpected crash when first launch.

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

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
Messo	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

甲、WCS-6050 not support MJPEG 1280x1024

乙、Not support preset

丙、Camera's framerate is less than 30fps at high resolution.

丁、PTZ Home is stopped when the button is released at titan.

戊、Broken textures at high quality.

己、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:

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.

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 (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.

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)

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:

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
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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 (Mini2/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
- 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:

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.

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 DCS-3716
D-Link	
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)
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:

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:

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:

Mainconsole:

- Fix Santec SNC-8322 PTZ "down-left "
- Fix 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)

Vidosec 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.
- f. Sunnell SN-IPS54/60DN/Z18/WI, dual-stream will connect failed when camera is too busy.

15. Bug fixed:

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.

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:

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
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Supported Systems:

Mainconsole	v 3.5.0 above
NVRmini 2	v 1.5.0 above
Titan NVR	v 1.3.0 above

Notice:

1. Bug fixed:

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:

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:

Mainconsole:

Fixed Sony SNT-V704 can't connect failed.

Fixed UDP camera image gray out or break randomly when config different resolutions.

NVRmini 2:

Fixed Axis M7001 can't use dualstream.

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:

Mainconsole:

- a. Fix 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. Fix 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. Fix 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:
 - a. ACTi: KCM-5211 Auto-Focus behavior did not sync with camera web.
 - 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
- 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
- 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:
 - AXIS P1346: Support all of AAC audio codec setting.

- Arecont AV2125: Fix the image would turn to green when using UDP connection
 - Shany: Fix 1080P resolution name.
 - Zavio D611E: Fix 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:

- 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
Messo:	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:

- 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:

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:

- **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:

- Fix Sony preset name length issue.
- Fix 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
Vidosec:	ICS-13, ICS-20F, ID-20
VIVOTEK:	IP8362, MD7530, VS8801
UDP:	NVC1000

Notice:

1. Bug fixed:
 - Fix Dallmeier preset function dump
 - ONVIF check startcode if using RTSP for H264 codec
 - Fix 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:
 - 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: 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

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: 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: 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: 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

Vidosec: IBF-211, ID-209, IDA-210, IP-206M, IS-240

Notice:

1. Bug fixed: 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: Fixed 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