

## 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:

<b>ADT</b>	ADT-VSDVZ3MP-VF3010IRO
<b>Beward</b>	N100, N120, N300, N320, N600 and N630
<b>CNB</b>	IDP5035VR, IGC2050F, IGP2035F, IVP5035VR, IXP3035VR and NGE2055F
<b>Dynacolor</b>	NA083(IP+ only)
<b>Dlink</b>	DCS-2210, DCS-5020L
<b>Eneo</b>	PXD-1010F02 and PXD-1020F02
<b>Honeywell</b>	HDZ20HD, HDZ20HDE, HDZ20HDEX and HDZ20HDX
<b>Vivotek</b>	CC8130, FD8151V and IP8372
<b>Zavio</b>	B5010, B5111, B5210, D3100, D3200, D5112, F7210 and F3110

### FW upgrade:

<b>Levelone</b>	FCS-4041, WCS-6020 and WCS-6050
<b>Panasonic</b>	WV-SC385 and WV-SP105
<b>Sunell</b>	SN-IPD54/12VDN
<b>D-Link</b>	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)
- 3.

## Notice:

1. Known issue:
  - a. Sunell SN-IPD54/12VDN Can't test DI due to HW broken.
  - b. CNB IGP2035F/IXP3035VR/IDP5035VR/IVP5035VR, Failed to set bitrate to 128k over VGA/D1.
  - c. ADT ADT-VSDVZ3MP-VF3010IRO
    1. Audio codec is wrong under AMR.
    2. Camera may not connect under highest resolution, highest bitrate and lower framerate.
  - d. 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.
  - e. DynaColor NA083 Parameter setting will fail when Mjpeg quality bigger than 60
  - f. Eneo PXD-1010F02,PXD-1020F02 Parameter setting will fail when Mjpeg quality bigger than 60
  - g. Honeywell HDZ20HD,HDZ20HDE,HDZ20HDEX,HDZ20HDX Parameter setting will fail when Mjpeg quality bigger than 60
  - h. 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.
  - i. 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.
  - j. 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)
  - k. LeveOne
    1. 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

<b>Yudor</b>	YUC-H626, YUC-H7926 and YUC-Hi26
<b>Zavio</b>	B5010, B5210, D3100, and F7210

## FW upgrade:

<b>Arecont</b>	AV8185 and AV8365
<b>Messo</b>	NIC950
<b>Probe</b>	PIC-H2010, PIN-H1310 and PMI-H2000

## Onvif support:

4. For ONVIF partner, NUUO only guarantee camera video connection (1st stream) with ONVIF test report.
5. 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:

2. Known issue:
  - l. 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.
  - m. Santec SNC-6315:  
M-JPEG on high resolution and quality may not get parameter.
  - n. 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.
  - o. LevelOne WCS-6020, WCS-6050
    1. WCS-6050 not support MJPEG 1280x1024
    2. Not support preset
    3. Camera's framerate is less than 30fps at high resolution.
    4. PTZ Home is stopped when the button is released at titan.
    5. Broken textures at high quality.
    6. Not support AAC codec. Users have to set AMR codec via camera web.

- p. Everfocus EDN2210 :  
Sometimes can't get camera's parameter at high resolution.
  
- q. 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)
  
- r. 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.
  
- s. 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.
  
- t. TP-LINK TL-SC3130v2 and TL-SC3130Gv2  
Not support audio with AMR 7.95.
  
- u. 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.
  
- v. Messoa NIC950
  1. Not support UPnP.
  2. Not support auto detection.
  3. Not support motion detection on MJPEG.
  4. Not support DI and DO.
  
- w. Probe PID-H1300  
Auto detection fail. (FW issue)

- x. 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 2<sup>nd</sup> 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
  
- y. Bullwark

BLW-510MP-BS: Get parameter will fail when Mjpeg quality bigger than 60.
  
- z. 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:

### 3. Known issue:

#### aa. ACTi KCM5511

Pitch of G.711 audio is not correct.

Not support motion detection in M-JPEG.

#### bb. 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 2<sup>nd</sup> 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.

#### cc. Sony SNC-VB600,SNC-VB630

Not support Motion Detection.

Not support Audio.

Alarm Input doesn't work.

#### dd. VIVOTEK IP8172

Not support CBR mode (MainConsole).

MJPEG not support audio.

Not support AAC audio.

#### ee. 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

ff. 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).

gg. D-Link

DCS-6915: Not support talk, Motion Detection, DI, DO

DCS-3112: Not support Preset

hh. 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.

ii. 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)

jj. Tiandy TC-NS324S2-V2.1

Audio at titan is bad.

Only support streaming

kk. ITX NCD-2003PR:

When set Anti-Flicker Mode to 50Hz, Mainconsole would get wrong Max of FPS(30).  
(Firmware issue)

ll. LG LW9226:

Audio out sound level is too small (with high impedance).

mm. 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
-------------	---------

### 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:

<b>AXIS</b>	M3005 (For Mini2 and Titan only)
-------------	----------------------------------

## 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:

4. Known issue:  
nn. 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).
- oo. 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.
- pp. Airlive OD-325HD and AMTK AM2590D, AM2030D, AM2570D, AM2530D, AM2630D, AM2730D Initail output status will not synchronize to real output voltage by HW issue.
- qq. AMTK AM2221D, AM2231D preset name can't contain blanks.
- rr. 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.
- ss. Hikvision DS-6601HFHI
- UPnP search can't find the camera.
  - Can't change port on camera web site.
  - Talk sound is not fluent
- tt. 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.
- uu. Messoa NIC990
- Can't set frame rate(Camera Firmware Issue).
  - Only support H.264.
  - Not support dual stream on 1080P(Camera Firmware Issue).
- vv. Camtron HLC-81AD/P doesn't support autodetect & search
- ww. LILIN IPD2220ES, IPG1022ESX, IPG1022ES, IPR320ESX, IPR434ESX, IPR7424ESX Video parameter does not synchronize to ONVIF option.
- xx. LILIN IPR434ESX does not support dualstream at 2048x1536
- yy. 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:

<b>Axis</b>	M1014 , M1143-L, M3004, M7014, P7224 and Q7406 DCS-2130 (Titan/Mini2 support and Mainconsole already support on v2.5) and DCS-3716
<b>D-Link</b>	
<b>Everfocus</b>	EDN3160, EDN3260, EDN3340, EHN3160, EHN3260, EHN3340 and EPN4122
<b>Forenix</b>	ACD-3VM501 and NPB-720BM
<b>Jetstor</b>	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
<b>Levelone</b>	FCS-3071-V2
<b>Samsung</b>	SNP-6200, SNP-6200H, SNP-6200HP, SNP-6200P
<b>Shany</b>	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)
<b>Sunell</b>	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
<b>Techson</b>	TCIP-220MDN, TCIP-230WDRMDN, TCIP-213WDRMDN, TCIP-D213WDRDN TCIP-D220DN, TCIP-D230WDRDN, TCIP-LD213WDRMDN, TCIP-LD220MDN,

## Zavio

TCIP-LD230WDRMDN and TCIP-LPro213WDRMDN (Mini2 and Titan support, Mainconsole already support on DP v2.5)

D5113, D7111, F1100 and F1105

## Notice:

### 5. Known issue:

zz. 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)

aaa. Axis P7224 can't use second audio in (All). Support G.711 only (mini2/Titan).

bbb. Forenix NPB-720BM doesn't support On-edge motion under TCP or UDP protocol.

ccc. Digital WatchDog DWC-MPA20M does not support On-edge motion detection.

ddd. 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

eee. 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:

<b>ACTi</b>	KCM5611 and KCM7911
<b>Axis</b>	Q1604 and Axis (for IP camera and video servers' Video only)
<b>Dahua</b>	SD65XX-HN and SD69XX-HN
<b>D-Link</b>	DCS-2130 (Mainconsole only)
<b>Ernitec</b>	Mercury SX 302, Mercury SX 302IR, Mercury SX 302M, Orion SX 802IH, Orion SX 802OPH, SX 605, Vega SX 102 and Vega SX 102IH
<b>Guardeon</b>	GDN-V1300D, GDN-DV1300IR and GDN-D1300IR
<b>Honeywell</b>	HCD5MIH, HD3MDIH and HD4MDIH
<b>JVC</b>	VN-H257U, VN-H257VPU, VN-H37U, VN-V685U, VN-V686BU and VN-V686WPBU(Mainconsole only)
<b>LG</b>	LNB3100, LNB5100, LND3100, LND5100, LNP2800, LNP2800I, LNP3700, LNP3700T, LNV5100, LNV5110, LW130W, LW332, LW335, LW342, LW345, LW6324, LW6354, LW6424, LW6454 and LW9422
<b>Vivotek</b>	FE8171V (Mainconsole only and Titan/Mini2 already support on v1.13) and FE8172V

## Notice:

6. 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:

<b>ACTi</b>	TCM1111, TCM3111, TCM4511, TCM5111 and TCM6630
<b>Alphatech</b>	AT-IMF5736 and AT-IMV5756
<b>Brickcom</b>	30xN
<b>Grundig</b>	GCI-K1526V and GCI-K1812W
<b>Probe</b>	PIC-2010T and PIN-H1310
<b>Sunell</b>	SN-IPS54/60DN/Z18/WI
<b>Techson</b>	TCIP-213WDRMDN, TCIP-220MDN, TCIP-230WDRMDN, TCIP-D213WDRDN, TCIP-D220DN, TCIP-D230WDRDN, TCIP-LD213WDRMDN, TCIP-LD220MDN, TCIP-LD230WDRMDN and TCIP-LPro213WDRMDN (Mainconsole only)
<b>Videosec</b>	ICS-20W, ID-20, IRD-20 and IRW-20W
<b>Vivotek</b>	BB5116, BB5315, BD5115 and FD8131
<b>3Svision</b>	N3071, N6072, N6073, N6074, N6075, N6076, N6077 and N9071

## Notice:

7. 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.

## 8. 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:



<b>Alphatech</b>	AT-IMF5739 and AT-IMF5750
<b>Basler</b>	BIP2-D1920c-DN
<b>Dynacolor</b>	na063
<b>Mobotix</b>	M24M-Sec
<b>Santec</b>	SNC-3322 and SNC-8322I/HO
<b>Telview</b>	IPB612P-ICR, IPB630P-ICR, IPD612-VP-VF-IR, IPD630-VP-VF-IR, IPE600, IPW612, IPW630, IPW630P, IPZ611, VIS611, VIS614 and VIT621
<b>Vivotek</b>	FD8335H, FD8372 and IP8361

## Notice:

### 9. 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.

## 10. 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
-------------	---------

### 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:

<b>ACTi</b>	KCM-3311 and KCM-7311
<b>Arecont</b>	AV2116 and AV3116
<b>Axis</b>	M7014, P3354, Q1604, Q7414 (NVRmini 2, Titan NVR only) P3364
<b>Brickcom</b>	OB-100Ap, VS01A, PZ-040D and PZ040E
<b>Eneo</b>	GXB-1710M-IR, GXC-1710M and GCD-1710M-IR
<b>Hikvision</b>	DS-2CD7153-E
<b>Mobotix</b>	D-14D Sec
<b>Samsung</b>	SNB-1001, SND-1011, SND-1080, SNO-1080R, SNV-1080 and SNV-1080R
<b>Vivotek</b>	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:

<b>Axis</b>	P3367, P7210, P7214, P8513, P8514, Q1602, Q1602-E, Q1922 and Q1922
<b>Brickcom</b>	130N series and 50xA series
<b>CNB</b>	IDC4000T
<b>COP</b>	15-WS01D-E
<b>Guardliner</b>	SPmicro-412
<b>Hikvision</b>	DS-2CD853F-E
<b>Panasonic</b>	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
<b>Samsung</b>	SNP-3302/H
<b>Santec</b>	SNC-3342 and SNC-6332
<b>Vision Hi-Tech</b>	I series, Mi series, M3i series and NVS102
<b>Vivotek</b>	FD8134-SS, IP7160-SS, IP7161-SS, IP8151-SS, IP8161-SS, IP8162P-SS, IP8332-SS, SD8121-SS, SD8362E, SD8362-SS, SD8323E-SS
<b>3SVision</b>	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 daulstream.

Titan NVR:

None

## Release Version v2.0.0 (2012/04/18)

### Modules:

Device Pack	v 2.0.0
-------------	---------

### Supported Systems:

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

## New Camera Supported:

<b>ACTi</b>	KCM-3211, KCM-3911
<b>Arecont</b>	AV20185CO, AV20365CO, D4F series
<b>Axis</b>	M3113-R, M3113-VE, Q6032
<b>Bullwark</b>	BLW-230MP-BS, BLW-230MP-DS, BLW-IN220X-S, BLW-IR230MP-DSM, BLW-IR230MP-SM and BLW-OUT220X-S
<b>Centrix</b>	B13H, C10, C10-W, D13HD, W13H
<b>Dynacolor</b>	NH720-20N1, NH820-20N1, nv103, nv223, nv053 and nv063
<b>Forenix</b>	B0202
<b>GE</b>	TVC-MP2B-S
<b>Hikvision</b>	DS-2CD754F-EI, DS-2CD8254F-EIS, DS-2CD752MF-E, DS-2CD754F-E DS-2CD854F-E and DS-2CD883F-E
<b>IQinvision</b>	IQeye863N, IQeye865N, IQM30N, IQM31N, IQM32N and IQD32S
<b>Levelone</b>	FCS-0071, FCS-1122, FCS-5061 and WCS-0050(Mainconsole only)
<b>Panasonic</b>	WV-SC384, WV-SC385, WV-SF332, WV-SF335E, WV-SW355(above add I/O), WV-SW396
<b>Rover</b>	RV1WAD, RV01AD, RV01AT, RV04AD, RV1WAG, RV79AD, RV7RAD, RV7RAG, RV81AD, RV81AG, RV84AD, RV84AM, RV84AV and RV87ZA
<b>Samsung</b>	SNB-3002, SNO-7080RP, SNP-3371, SNP-3371TH, SPE-400 SND-3082 (F) and SNV-3082
<b>Vivotek</b>	FD8135H, FD8335H, IP8335H, PT8133 and PT8133W
<b>Zavio</b>	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:

<b>Dynacolor:</b>	V2 series
<b>iCANTEK:</b>	iCanView322MP, iCanView340MP
<b>Messo:</b>	NIC990PRO-HP
<b>Micronet:</b>	SP5523W, SP5563HTM, SP5581HDC, SP5582HTM, SP-5584HTM, SP5591HTM SP5923,
<b>Pelco:</b>	IP110, SpectraIV-IP
<b>Santec:</b>	SNC-3302, SNC-4302, SNC-5312IR, SNC-6302, SNC-6312IRH, SVS-3001
<b>Truen:</b>	TCAM-5x10, TCS-2000

## Notice:

### c. Firmware Upgrade

- iCANTEK: iCanView332MP, iCanView362MP
- Truen: TCAM-570

### d. Known issue:

#### i. Messo: 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:

<b>Hikvision:</b>	DS-2CD783F-E, DS-2CD783F-EI, DS-2DF1-5702, DS-2DF1-570A, DS-2DF1-5732, DS-2DF1-573A, DS-2DF1-57A
<b>Lilin:</b>	IPD2220ES, IPG1022ES, IPR320ESX, IPR722S, IPR7424/8ESX
<b>Sony:</b>	SNC-EP521, SNC-EP550, SNC-EP580, SNC-ER550
<b>Vision Hi-Tech:</b>	VISION i series, VISION M3i series, VISION NVS102
<b>Vivotek:</b>	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:

<b>ACTi:</b>	KCM-5211E, KCM-5311E
<b>AMTK:</b>	AM2110D, AM2231D, AM2590D
<b>Etrovision:</b>	EV8281U, EV8285Q, EV8286Q
<b>Hikvision:</b>	DS-2CD753F-E, DS-2CD753F-EI, DS-2CD754F-E, DS-2CD754F-EI, DS-2CD754FWD-E, DS-2CD754FWD-EI, DS-2DF1-572
<b>Panasonic:</b>	WV-SF132, WV-SF135, WV-SW152/M, WV-SW155/M
<b>UDP:</b>	IPE1100M, IPE3100, IPE3500, IPE4100, IPE5500, IPE6500, IPE7500
<b>Vision Hi-Tech:</b>	Vision Mi series
<b>Vivotek:</b>	MD7560X
<b>Zavio:</b>	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:

<b>Brickcom:</b>	MD-100AP
<b>CNB:</b>	IDC4050F, IDC4050IR, IDC4050VF, IDC4050VR, IGC2050F, ISMC1063x, IS1765x, ISS2965x, ISSM2063x, IVC5055VF, IVC5055VR, IXC2050IR,
<b>Dahua:</b>	HDB3300N, HDB3300P, HDBW3300N, HDBW3300P, HF3110N, HF3110P, HF3211P, HF3300N, HF3300N-W, HF3300P, HF3300P-W
<b>Etrovision:</b>	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
<b>Shany:</b>	SNC-10XX, SNC-20XX, SNC-81XX, SNC-91XX, SNC-D1XX
<b>USAG:</b>	US-AVC4-2-600NR-I2
<b>Vivotek:</b>	IP8133W, IP8331, MD8562
<b>Samsung:</b>	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:

<b>Arecont:</b>	AV20185DN, AV20365DN
<b>Probe:</b>	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
<b>Shany:</b>	SNC-21X0, SNC-21XX, SNC-22XX, SNC-23XX, SNC-HD2XX, SNC-HD81X2, SNC-HD91X2, SNC-HD91XX, SNC-RX01N
<b>Vivotek:</b>	SD83x1E, SD83x2E, SD83x3E, VS8401
<b>Zavio:</b>	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:



<b>ACTi:</b>	KCM5211, KCM5311, KCM7211
<b>Arecont:</b>	AV1115, AV1125, AV2115, AV2125, AV3115, AV3125, AV5115, AV5125, AV10115
<b>AXIS:</b>	M3114-VE, Q6035, Q6035-E
<b>CORUM:</b>	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
<b>Forenix:</b>	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
<b>Messo:</b>	NIC910HPRO, NIC930HPRO, NIC950HPRO
<b>SONY:</b>	SNC-EP520, SNC-ER520, SNC-ER521, SNC-ER580
<b>UDP:</b>	IPE3500M, NVC4000, NVC4000-R12, NVC4000-R40
<b>Vivotek:</b>	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:

<b>ACTi:</b>	KCM7111
<b>AXIS:</b>	M5013, M5014, P5512, P5512-E, P5522, P5522-E
<b>Brickcom:</b>	VS-04A
<b>Everfocus:</b>	EQN2200, EQN2201
<b>Grandstream:</b>	GXV-3501, GXV-3504, GXV-3601, GXV-3601HD, GXV-3601LL, GXV-3611HD, GXV-3611LL, GXV-3615, GXV-3651, GXV-3662HD
<b>Panasonic:</b>	WV-SW352, WV-SW355
<b>Pelco:</b>	D-5118
<b>Samsung:</b>	SNP-3301, SNB-7000
<b>Vivotek:</b>	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:

<b>ACTi:</b>	KCM5111, TCM4001
<b>AXIS:</b>	P3346, P3346-V, P3346-VE
<b>CTCunion:</b>	DVS-8501E, DVS-8504E
<b>Panasonic:</b>	DG-SF334, WV-SF342, WV-SF346
<b>Samsung:</b>	SNB-5000, SND-5080/F, SNV-3120, SNV-5080
<b>Santec:</b>	SNC-3903M, SNC-5321MIR, SNC-6163ID, SNC-6223MIR, SNC-6303M, SNC-P3603M
<b>Sony:</b>	SNC-DH110/B, SNC-DH110/W, SNC-DH110T/B, SNC-DH110T/W
<b>Vidosec:</b>	ICS-13, ICS-20F, ID-20
<b>VIVOTEK:</b>	IP8362, MD7530, VS8801
<b>UDP:</b>	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:

<b>Arecont:</b>	AV1325, AV2825, AV8185DN, AV8365DN
<b>AXIS:</b>	P1347, P1347-E, P5532, P5532-E, P5534-E, Q1921, Q1921-E
<b>D-link:</b>	DCS-6511, DCS-7410
<b>Fine:</b>	EDH-02H, SP-PTIR737-LA-IP, TCP-IR590-WD30, TCP-IR590-WD50, TCP-IRH5030C, TCP-IRH5040C
<b>IQinvision:</b>	IQ732N
<b>Panasonic:</b>	WV-SC384, WV-SC385, WV-SW395
<b>Sony:</b>	SNC-DH210/B, SNC-DH210/W, SNC-DH220, SNC-DH220T
<b>vForge:</b>	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:

<b>Arecont:</b>	AV1315, AV2815
<b>AXIS:</b>	212 PTZ-V, 215 PTZ-E, 240Q Blade, 241Q Blade, 241S Blade, 243Q Blade, P1343-E, P1344-E, P1346-E, Q1755-E, Q6034-E
<b>Lilin:</b>	IPS025, IPS030, IPS035, IPS125, IPS130, IPS135, IPS203, IPS212
<b>Panasonic:</b>	WV-SP102, WV-SP105
<b>Sony:</b>	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:

<b>ACTi:</b>	TCM7811,
<b>Hikvision:</b>	DS-2CD7133-E, DS-2CD7153-E
<b>Levelone:</b>	FCS-0040, FCS-3081, FCS-5051, FCS-5041, WCS-0040
<b>Lilin:</b>	IPD112ESX, IPD552EX, IPR414ESX, IPR418ESX, IPR454, IPR458
<b>Sony:</b>	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:

<b>ACTi:</b>	ACM5811, ACM7511, TCD2100, TCM3001, TCM3011, TCM3401, TCM3411, TCM4201, TCM5001, TCM7011
<b>ARM:</b>	MP13DDNWD, MP13VPDN
<b>Camtron:</b>	IPH3611N, NVE1000A, NVE2000A, NVE4000A
<b>CryptoTelecom:</b>	S-152
<b>Dallmeier:</b>	DDZ40SM-HD
<b>Panasonic:</b>	BL-C210, BL-C230, WJ-GXE500, WV-SF332, WV-SF335, WV-SF336, WV-SP302, WV-SP305, WV-SP306
<b>Samsung:</b>	SNS-100
<b>Sony:</b>	SNC-CH120, SNC-CH160, SNC-CH210/B, SNC-CH210/S, SNC-DH120, SNC-DH120T, SNC-DH140T, SNC-DH160, SNC-DH240T
<b>Truen:</b>	TCAM-570
<b>VIVOTEK:</b>	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:

<b>Arecont:</b>	AV2805
<b>Camtron:</b>	CMNC-130, CMNC-200, CTNC-5358D, HLC-81A D/P, HLC-83V, HLC-83V/W HLC-84V, HLC-84V/W
<b>Honeywell:</b>	ACUIX, HCD554IP, HD3MDIP, HD4DIP, HD4MDIP, HNVE1
<b>PELCO:</b>	IX10
<b>Pixord:</b>	P600, P606, PB630, PD634, PL621, PV6901
<b>SAE:</b>	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:

<b>Brickcom:</b>	CB-100A, CB-100Ae, FB-100A, FB-100Ae, FD-100Ae, WCB-100Ae, WFB-100Ae
<b>Fine:</b>	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
<b>Hikvision:</b>	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
<b>NetworkCamera:</b>	GE-100-CB, GP-100-CB, WGE-100-CB, WGP-100-CB
<b>PELCO:</b>	ID10, ID30, IDE20, IDS0, IE10, IE30, IEE10, IEE20, IES0, IMS0, IX30, IXE20, IXS0
<b>Sony:</b>	SNC-RS44N, SNC-RS44P, SNC-RS46N, SNC-RS84N, SNC-RS84P, SNC-RS86N, SNC-RS86P, SNT-EP104, SNT-EX101
<b>Vidosec:</b>	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:

<b>ACTi:</b>	AMU-9401, AMU-9711, TMU-9811, TMU-9911
<b>Bosch:</b>	NW-455
<b>Brickcom:</b>	WCB-100A, WFB-100A, FD-100A
<b>CISCO:</b>	WVC210
<b>Dynacolor:</b>	nNH221, nNH061, V1, V6
<b>Everfocus:</b>	EAN-850A, EZN-850, EDN-800, EDN-850H, EAN900, EAN800AW, EAN800A EVS200A, EVS200AW, EPN2700, EPN3100, EPN3600
<b>LevelOne:</b>	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
<b>MOBOTIX:</b>	D24M-Basic, D24M-IT, D24M-Sec
<b>Panasonic:</b>	BB-HCM705A, BB-HCM715A, BB-HCM735A
<b>Samsung:</b>	SNP-3300A
<b>SanTec:</b>	SNC-390DN/W, SNC-521IR/W, SNC-565IR/W, SNC-620/W, SNC-670ID/W
<b>Sanyo:</b>	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
<b>StarDot:</b>	SD-130, SD-300, SD-500, SDEXP4, SDEXP2
<b>VIVOTEK:</b>	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