

Release Version 1.3.2 (2011/1/9)

Modules

Item		Version	
FW	NVR	NE-2020	01.03.0002.0075
		NE-2040	01.03.0004.0075
		NE-4080	01.03.0008.0075
		NE-4160	01.03.0016.0075
	Camera Package	01.03.0000.0075	

New Features

1. Add continuous PTZ function on Vivotek VS8102. (1.3.1)

Bug Fixed

1. Fixed the issue that the second to forth channel of Fine WB-H814 cannot be connected. (1.3.1)
2. Fixed the wrong model name detection issue on Fine WB-H814.¹ (1.3.1)
3. DDNS configuration can be updated successfully. (1.3.1)
4. Fixed the issue that frame rate and bit rate data on camera status page go wrong as users enable dual stream or start preset point patrol. (1.3.1)
5. Add output duration title on the setting page. (1.3.1)

New Camera Supported

1. Brickcom: FD-130Ae, FD-130Ap, VD-130Ae, VD-130Ap (1.3.1)
2. LevelOne: FCS-0030, FCS-0031, FCS-0040, FCS-1121, FCS-1131, FCS-1141, FCS-1151, FCS-3061, FCS-3071, FCS-3081, FCS-3091, FCS-4041, FCS-5041, FCS-5051, FCS-6010, WCS-0030, WCS-0040

Appendix

Stream profile (updated)

- Original
- Low: under 300kbps; designed for mobile client single-view
- Minimum: under 100 kbps; designed for mobile client multi-view

Brand/Series	Low Profile		Minimum Profile	
	Resolution	Framerate	Resolution	Framerate
ACTi	CIF	3~6	CIF	1~2
Arecont	half	3	half	1
Axis	CIF	5	QCIF	5
Brickcom	CIF	10	CIF	4
CNB 1	CIF~SXGA	0.1~10	CIF~SXGA	0.1~10
CNB 2	QVGA~D1	0.1~10	QVGA~D1	0.1~10
CNB 3	QVGA~D1	0.1~10	QVGA~D1	0.1~10
Dahua	CIF	5	CIF	2
Dahua (HF3211P)	D1~1080p	0.1~10	D1~1080p	0.1~10
Dynacolor	QCIF~Full HD	0.1~10	QCIF~Full HD	0.1~10
Eneo 1	QCIF~Full D1	0.1~10	QCIF~Full D1	0.1~10
Eneo 2	QCIF~Half D1	0.1~10	QCIF~Half D1	0.1~10

¹ We cannot assure the detection result if the camera returns slowly due to poor network connection.

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Eneo 3	CIF~Full D1	0.1~10	CIF~Full D1	0.1~10
Eneo 4	CIF	5	CIF	2
Eneo 5	CIF	15	CIF	5
EverFocus (ONVIF)	QCIF~UXGA	0.1~6	QCIF~UXGA	0.1~6
EverFocus (Others)	QVGA	5	QVGA	1.5
Fine	CIF	1~3	CIF	0.1~1.5
Forenix	CIF	1~3	CIF	0.1~0.5
Grundig	QCIF~FullHD	0.1~10	QCIF~FullHD	0.1~10
Honeywell	640x368	15	640x368	5
LevelOne B1	CIF	10	CIF	4
LevelOne B2	QCIF~FullHD	0.1~10	QCIF~FullHD	0.1~10
LevelOne D	QCIF~FullHD	0.1~10	QCIF~FullHD	0.1~10
LevelOne S	CIF	10	CIF	3
LevelOne V	CIF	3	QCIF	3
Mobotix	CIF	3	QCIF	2
NetworkCamera	CIF	10	CIF	4
Panasonic BB/BL	CIF	4	QCIF	2
Panasonic i-pro 3 megapixel	VGA	1	VGA	0.5
Panasonic i-pro others	CIF	2	CIF	1
Pelco	CIF~D1	0.1~10	CIF~D1	0.1~10
Samsung	CIF	6	CIF	2
SANTEC (D1)	VGA	1~3	VGA	0.3~0.8
SANTEC (1.3 Mega)	VGA~D1	1~3	VGA~D1	0.3~0.8
SANTEC (3 Mega)	VGA~3M	1~3	VGA~3M	0.3~0.8
SANTEC (video server)	VGA~D1	1~3	VGA~D1	0.3~0.8
Sanyo HD1, HD3, HD4	CIF~VGA	3	CIF~VGA	1
Sanyo HD2	CIF~4 Mega	0.1~3	CIF~4 Mega	0.1~3
Sony	QCIF~Full HD	0.1~10	QCIF~Full HD	0.1~10
StarDot	CIF	3	CIF	1
Sunell	D1~QCIF	0.1~10	D1~QCIF	0.1~10
TRUEN	CIF~Full D1	0.1~10	CIF~Full D1	0.1~10
UDP	QVGA~VGA	0.1~10	QVAG~VGA	0.1~10
Vidosec 1	QVGA	5	QQVGA	5
Vidosec 2	CIF~Full HD	0.1 ~ 10	CIF~Full HD	0.1 ~ 10
Vivotek 7000v2/8000 (General)	CIF	5	CIF	2
Vivotek 7000v2/8000 (2 Mega)	CIF	3	QCIF	3
Vivotek 8000 (VS series)	QCIF~D1	0.1~10	QCIF~D1	0.1~10
Vivotek 8000 (IP8330/IP8332/IP8352)	CIF	3	CIF	1
Vivotek 8000 (IP8362)	CIF	5	CIF	3
Zavio	CIF	5	QCIF	3
Zavio (Mega)	CIF	7	CIF	2

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CNB 1: IGx10xx, ixP40xx ixP4000xx
 CNB 2: INS2000/IBxxxx/Xpeed IP
 CNB 3: IGx2050F, IDC4050xx, IXC8050IR, IVC5050xx, IVP5055xx, IDP5055xx, IXP3055VR
 Eneo 1: GLS-1701/IR
 Eneo 2: GLS-2104
 Eneo 3: GLS-2301H
 Eneo 4: NLC-1401, NLD-1401, NLS-1401
 Eneo 5: NXC-1301M, NXC-1302M, NXC-1401M, NXC-1402M, NXD-1301M, NXD-1302M, NXD-1401M, NXD-1402M
 EverFocus (ONVIF): EQN2200, EQN220
 LevelOne B1: WCS-0030, FCS-0030, FCS-0031, FCS-1121, FCS-5041, FCS-6010
 LevelOne B2: FCS-3061
 LevelOne D: FCS-1131, FCS-1141, FCS-3071, FCS-3081, FCS-4041, FCS-5051, FCS-5061
 LevelOne S: FCS-0040, WCS-0040
 LevelOne V: FCS-1151
 Samsung: SNB-1000, SNB-5000, SND-1010, SND-5080/F, SNO-5080R, SNP-3120/V/VH, SNP-3430H, SNP-5200, SNP-5200H, SNV-5080, SNV-5080R, SPE-100
 Sanyo HD1: VCC-HD2500, VDC-HD3500
 Sanyo HD2: VCC-HD2100, VCC-HD2300, VDC-HD3100, VDC-HD3300
 Sanyo HD3: VCC-HD5400, VCC-HD5600
 Sanyo HD4: VCC-HD4600
 Videosec 1: IBF-211, IDA-210, IP-206M, IS-240
 Videosec 2: ICS-13, ICS-20F, ID-20

New Camera Support

Brickcom



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
FD-130Ae	Refer to VD-130Ap	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	
FD-130Ap	Refer to VD-130Ap	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	
VD-130Ae	Refer to VD-130Ap	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	
VD-130Ap		H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Supported by design

LevelOne



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
FCS-0030	Refer to WCS-0030	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	Supported by design
FCS-0031	1.0.0.35	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	

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Note:	Not support on-edge motion with MJPEG format, which is camera limitation.									
FCS-0040	Refer to WCS-0040	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	-		Yes	Supported by design
Note:	Not support on-edge motion currently due to camera issue.									
FCS-1121	1.0.0.33	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	
FCS-1131	L20101222NS	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
FCS-1141	L20100623NS	H.264 M-JPEG	1	1280x960	1-way	1/1	-	Yes	Yes	
Note:	UPnP search doesn't work properly sometimes, which happens on camera's own search tool. We are clarifying with vendor.									
FCS-1151	0100c	H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/1	Yes	Yes	Yes	
Note:	UPnP search doesn't work properly sometimes, which happens on camera's own search tool. We are clarifying with vendor.									
FCS-3061	1.0.0.34	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	
FCS-3071	L20101222NS	H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	Yes	
FCS-3081	L20101222NS	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
FCS-3091	2.0.0629	MPEG4 M-JPEG	1	1600x1200	1-way	4/1	-	-	Yes	
Note:	Not support on-edge motion & dual stream in this camera FW due to its limitation.									
FCS-4041	LE20111116N SA	H.264 M-JPEG	1	1920x1080	1-way	4/2	Yes	Yes	Yes	
Note:	Not recommend to setting MJPEG Q Factor over 60 on camera web, because the video may be broken due to camera limitation.									
FCS-5041	1.0.0.46	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/1	-	Yes	Yes	
FCS-5051	L20101222NS	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
FCS-6010	1.0.0.11	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/0	Yes	Yes	Yes	
Note:	Not support DO in this camera FW. Cannot get video stream through TCP/UDP sometimes, which belongs to camera issue. Camera may reboot itself when changing video format to MPEG4, which belongs to camera issue.									
WCS-0030	1.0.0.35	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	Yes	Yes	

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WCS-0040	1.0.0.3	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	-	-	Yes	
Note:	Not support on-edge motion currently due to camera issue.									

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Modules

Item	Version		
FW	NVR	NE-2020	01.03.0002.0065
		NE-2040	01.03.0004.0065
		NE-4080	01.03.0008.0065
		NE-4160	01.03.0016.0065
	Camera Package		01.03.0000.0065
Application	Install Wizard		1.0.0.21
	Remote Live Viewer		2.8.1.7
	Playback System		2.8.1.7
	Backup System		2.8.1.7
	Verification Tool		2.8.1.7
	Offline License Tool		1.0.1.47
Document	User manual		1.3.0
	QSG		1.3.0

New Features

1. Output duration: control the duration of output as it's triggered.
2. **Dual stream**
 - Dahua
 - Everfocus
 - Forenix
 - Samsung²
 - Sunell
 - UDP

Enhancement

1. Enhance POS search mechanism.
 - Test Summary
 - ✓ We recommend "searching by date", however, if the size of each transaction data is under 1KB³, user can search 3-day's data at a time.
 - ✓ "Searching by date and playing" works properly under the conditions of "recording 33000 transactions per day, accumulating 3 million in three months and **the average size of each transaction data is under 3KB**"
 - Known Issue
 - ✓ The search engine doesn't work sometimes, if users encounter this issue, please try to search again.
2. Enhance the audio playing mechanism that audio is playing properly even under the circumstances of relative poor network.

Bug Fixed

1. Fixed Install Wizard's bug that there is no server searched sometimes.

² SNB-1000, SNB-5000, SND-1010, SND-5080/F, SNO-5080R, SNP-3120/V/VH, SNP-3430H, SNP-5200, SNP-5200H, SNV-5080, SNV-5080R, SPE-100

³ 1KB is approx. 1000 characters

- eSATA LED on front panel should be on as well while external device (i.e. DAS) connected with first eSATA port.
- Fixed the issue that motion detection function doesn't work on Sony 3rd and 4th generation cameras⁴.
- Fixed the issue that camera parameter of Panasonic i-pro series cameras "may" be reset to default as camera reconnects after camera disconnected a while and NVR was trying to reconnect it.
- Fixed the parameter settings of Panasonic WV-SP102 and WV-SP105.
- Fixed the issue that bit rate of Panasonic DG-SF334 cannot be modified.
- Fixed the issue that system doesn't detect Eneo camera motion right as motion is triggering.
- Vivotek IP71XX series cameras are compatible with iViewer.
- Upgrade camera FW to XNET.A1-1.1.11.0706 to fix IVP4030VR/IDP4030VR main stream disconnection issue as querying dual stream.

New Camera Supported

- Arecont: AV1325, AV2825, AV8185DN
- Axis: M3113-R, M3113-VE, M3114-VE, M5013, M5014, M7001, P3304, P3304-V, P5512, P5512-E, P5522, P5522-E, Q6032, Q6034-E, Q6035, Q6035-E
- CNB: IDC4050F, IDC4050IR, IDC4050VF, IDC4050VR, IGC2050F, IS1765x, ISMC1063x, ISS2965x, ISSM2063x, IVC5055VF, IVC5055VR, IXC2050IR
- Dahua**: HDB3300N, HDB3300P, HDBW3300N, HDBW3300P, HF3110N, HF3110P, HF3211P, HF3300N, HF3300N-W, HF3300P, HF3300P-W
- Everfocus**: EAN3200, EAN800A, EAN800AW, EAN850A, EAN900, EDN3240, EDN800, EDN850H, EHN3200, EPN3100, EPN3600, EQN2200, EQN2201, EVS200A, EVS200AW, EVS410, EZN3240, EZN850
- Forenix**: ACDV-3VM501, AEP-Q2018HW-IP, AEP-Q2026HW-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, AWB-H811, AWB-H814, B0100, B1100, C1100, C1100-W, C2100, D0100, D1100, D2100, GE-100-VS
- Mobotix: M24, T24
- Samsung: SNB-1000, SNB-5000, SND-1010, SND-5080/F, SNO-5080R, SNP-3120/V/VH, SNP-3430H, SNP-5200, SNP-5200H, SNV-5080, SNV-5080R, SPE-100
- Sunell**: SN-IPC54/11DN, SN-IPC54/12DN, SN-IPC54/20DN, SN-IPC54/50DN, SN-IPD54/11DN, SN-IPD54/12DN, SN-IPR54/50DN, SN-IPS54/60DN/Z18, SN-IPS54/60DN/Z36, SN-IPV54/11DN, SN-IPV54/12DN, SN-IPV54/50DN, SN-IPV54/50DR
- UDP**: IPE1100M, IPE3100, IPE3500, IPE3500M, IPE4100, IPE5500, IPE6500, IPE7500, NVC1000, NVC4000, NVC4000-R12, NVC4000-R40
- Vivotek: FE8171V, IP8133W, IP8352, IP8362, VS8102 (New FW)

Appendix

Stream profile (updated)

- Original
- Low: under 300kbps; designed for mobile client single-view
- Minimum: under 100 kbps; designed for mobile client multi-view

Brand/Series	Low Profile		Minimum Profile	
	Resolution	Framerate	Resolution	Framerate
ACTi	CIF	3~6	CIF	1~2
Arecont	half	3	half	1
Axis	CIF	5	QCIF	5
Brickcom	CIF	10	CIF	4

⁴ SNC-CM120, SNC-CS20, SNC-CS50, SNC-DF50, SNC-DF80, SNC-DF85, SNC-DM110, SNC-DM160, SNC-DS10, SNC-DS60, SNC-RX530, SNC-RX550, SNC-RX570, SNC-RZ50

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CNB 1	CIF~SXGA	0.1~10	CIF~SXGA	0.1~10
CNB 2	QVGA~D1	0.1~10	QVGA~D1	0.1~10
CNB 3	QVGA~D1	0.1~10	QVGA~D1	0.1~10
Dahua	CIF	5	CIF	2
Dahua (HF3211P)	D1~1080p	0.1~10	D1~1080p	0.1~10
Dynacolor	QCIF~Full HD	0.1~10	QCIF~Full HD	0.1~10
Eneo 1	QCIF~Full D1	0.1~10	QCIF~Full D1	0.1~10
Eneo 2	QCIF~Half D1	0.1~10	QCIF~Half D1	0.1~10
Eneo 3	CIF~Full D1	0.1~10	CIF~Full D1	0.1~10
Eneo 4	CIF	5	CIF	2
Eneo 5	CIF	15	CIF	5
EverFocus (ONVIF)	QCIF~UXGA	0.1~6	QCIF~UXGA	0.1~6
EverFocus (Others)	QVGA	5	QVGA	1.5
Fine	CIF	1~3	CIF	0.1~1.5
Forenix	CIF	1~3	CIF	0.1~0.5
Grundig	QCIF~FullHD	0.1~10	QCIF~FullHD	0.1~10
Honeywell	640x368	15	640x368	5
Mobotix	CIF	3	QCIF	2
NetworkCamera	CIF	10	CIF	4
Panasonic BB/BL	CIF	4	QCIF	2
Panasonic i-pro 3 megapixel	VGA	1	VGA	0.5
Panasonic i-pro others	CIF	2	CIF	1
Pelco	CIF~D1	0.1~10	CIF~D1	0.1~10
Samsung	CIF	6	CIF	2
SANTEC (D1)	VGA	1~3	VGA	0.3~0.8
SANTEC (1.3 Mega)	VGA~D1	1~3	VGA~D1	0.3~0.8
SANTEC (3 Mega)	VGA~3M	1~3	VGA~3M	0.3~0.8
SANTEC (video server)	VGA~D1	1~3	VGA~D1	0.3~0.8
Sanyo HD1, HD3, HD4	CIF~VGA	3	CIF~VGA	1
Sanyo HD2	CIF~4 Mega	0.1~3	CIF~4 Mega	0.1~3
Sony	QCIF~Full HD	0.1~10	QCIF~Full HD	0.1~10
StarDot	CIF	3	CIF	1
Sunell	D1~QCIF	0.1~10	D1~QCIF	0.1~10
TRUEN	CIF~Full D1	0.1~10	CIF~Full D1	0.1~10
UDP	QVGA~VGA	0.1~10	QVAG~VGA	0.1~10
Videosec 1	QVGA	5	QQVGA	5
Videosec 2	CIF~Full HD	0.1 ~ 10	CIF~Full HD	0.1 ~ 10
Vivotek 7000v2/8000 (General)	CIF	5	CIF	2
Vivotek 7000v2/8000 (2 Mega)	CIF	3	QCIF	3
Vivotek 8000 (VS series)	QCIF~D1	0.1~10	QCIF~D1	0.1~10
Vivotek 8000 (IP8330/IP8332/IP	CIF	3	CIF	1

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8352)				
Vivotek 8000 (IP8362)	CIF	5	CIF	3
Zavio	CIF	5	QCIF	3
Zavio (Mega)	CIF	7	CIF	2

CNB 1: IGx10xx, ixP40xx ixP4000xx
 CNB 2: INS2000/IBxxxx/Xpeed IP
 CNB 3: IGx2050F, IDC4050xx, IXC8050IR, IVC5050xx, IVP5055xx, IDP5055xx, IXP3055VR
 Eneo 1: GLS-1701/IR
 Eneo 2: GLS-2104
 Eneo 3: GLS-2301H
 Eneo 4: NLC-1401, NLD-1401, NLS-1401
 Eneo 5: NXC-1301M, NXC-1302M, NXC-1401M, NXC-1402M, NXD-1301M, NXD-1302M, NXD-1401M, NXD-1402M
 EverFocus (ONVIF): EQN2200, EQN220
 Samsung: SNB-1000, SNB-5000, SND-1010, SND-5080/F, SNO-5080R, SNP-3120/V/VH, SNP-3430H, SNP-5200, SNP-5200H, SNV-5080, SNV-5080R, SPE-100
 Sanyo HD1: VCC-HD2500, VDC-HD3500
 Sanyo HD2: VCC-HD2100, VCC-HD2300, VDC-HD3100, VDC-HD3300
 Sanyo HD3: VCC-HD5400, VCC-HD5600
 Sanyo HD4: VCC-HD4600
 Videosec 1: IBF-211, IDA-210, IP-206M, IS-240
 Videosec 2: ICS-13, ICS-20F, ID-20

Visit NUUO wiki for full NVRmini supported cameras on mobile clients:

http://support.nuuo.com/mediawiki/index.php/NVRmini_supported_cameras_on_mobile_clients

New Camera Support

											
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Remarks
AV1325		H.264 M-JPEG	1	1280x1024	-	-	-	Yes	-	Yes	Supported by design
AV2825		H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	-	Yes	Supported by design
AV8185DN		H.264 M-JPEG	4	1600x1200	-	-	-	Yes	-	Yes	Supported by design
											
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks	
M3113-R		H.264 M-JPEG	1	800x600	-	-	Yes	Yes	Yes	Supported by design	
M3113-VE		H.264 M-JPEG	1	800x600	-	-	Yes	Yes	Yes	Supported by design	

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M3114-VE		H.264 M-JPEG	1	1280x800	-	-	Yes	Yes	Yes	Supported by design
M5013		H.264 M-JPEG	1	800x600	1-way	-	Yes	Yes	Yes	Supported by design
M5014		H.264 MPEG4	1	1280x720	1-way	2/2	Yes	Yes	Yes	Supported by design
M7001		H.264 M-JPEG	1	720x576	-	-	Yes	Yes	Yes	Supported by design
P3304		H.264 M-JPEG	1	1280x800	1-way	1/1	Yes	Yes	Yes	Supported by design
P3304-V		H.264 M-JPEG	1	1280x800	1-way	1/1	Yes	Yes	Yes	Supported by design
P5512		H.264 M-JPEG	1	704x480	1-way	4/4	Yes	Yes	Yes	Supported by design
P5512-E		H.264 M-JPEG	1	704x480	1-way	4/4	Yes	Yes	Yes	Supported by design
P5522		H.264 M-JPEG	1	720x480	1-way	4/4	Yes	Yes	Yes	Supported by design
P5522-E		H.264 M-JPEG	1	720x480	1-way	4/4	Yes	Yes	Yes	Supported by design
Q6032		H.264 M-JPEG	1	752x480	1-way	4/4	Yes	Yes	Yes	Supported by design
Q6034-E		H.264 M-JPEG	1	1280x720	1-way	2/2	Yes	Yes	Yes	Supported by design
Q6035		H.264 M-JPEG	1	1280x720	1-way	4/4	Yes	Yes	Yes	Supported by design
Q6035-E		H.264 M-JPEG	1	1280x720	1-way	-	Yes	Yes	Yes	Supported by design

CNB



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
IDC4050F	Refer to IDC4050IR	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	-	Yes	Supported by design
IDC4050IR	XNET.M1-1.10 .11.0822	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
IDC4050VF	Refer to IDC4050IR	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	-	Yes	Supported by design
IDC4050VR	Refer to IDC4050IR	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	-	Yes	Supported by design

Note: Camera issue: image may be broken apparently under high parameter settings.

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IGC2050F	Refer to IDC4050IR	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	-	Yes	Supported by design
IS1765x	Refer to ISMC1063x	H.264 MPEG4 M-JPEG	1	704x480(N) 704x576(P)	1-way	1/1	Yes	-	Yes	Supported by design
ISMC1063x	XNET.A1-1.01.11.0125	H.264 MPEG4 M-JPEG	1	704x480(N) 704x576(P)	1-way	4/0	Yes	Yes	Yes	
ISS2965x	Refer to ISMC1063x	H.264 MPEG4 M-JPEG	1	704x480(N) 704x576(P)	1-way	4/0	Yes	-	Yes	Supported by design
ISSM2063x	Refer to ISMC1063x	H.264 MPEG4 M-JPEG	1	704x480(N) 704x576(P)	1-way	4/0	Yes	-	Yes	Supported by design
IVC5055VF	Refer to IDC4050IR	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	-	Yes	Supported by design
IVC5055VR	Refer to IDC4050IR	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	-	Yes	Supported by design
IXC2050IR	Refer to IDC4050IR	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	-	Yes	Supported by design

Dahua



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
HDB3300N		H.264 M-JPEG	1	2048x1536	1-way	2/1	Yes	Yes	-	Supported by design
HDB3300P		H.264 M-JPEG	1	2048x1536	1-way	2/1	Yes	Yes	-	Supported by design
HDBW3300N	V2.000 , Update 2011.10.22	H.264 M-JPEG	1	2048x1536	1-way	2/1	Yes	Yes	-	
HDBW3300P		H.264 M-JPEG	1	2048x1536	1-way	2/1	Yes	Yes	-	Supported by design
HF3110N		H.264 M-JPEG	1	1280x960	1-way	1/1	Yes	Yes	-	Supported by design
HF3110P	V2.000 , Update 2011.10.22	H.264 M-JPEG	1	1280x960	1-way	1/1	Yes	Yes	-	
HF3211P	V2.000 , Update 2011.10.22	H.264 M-JPEG	1	1920x1080	1-way	2/1	Yes	Yes	-	
HF3300N	V2.000 , Update 2011.10.22	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	
HF3300N-W		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	Supported by design
HF3300P		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	Supported by design

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HF3300P-W		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	-	Supported by design
Note:	HP3300 series: there may be image noise of dual stream, which can be observed from the camera web as well.									
Note:	Setting preset point doesn't work properly.									
Note:	PTZ is only supported by external RS-485 device.									

Everfocus



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
EAN3200	1.0.14	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
EAN800A	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	
EAN800AW	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	Supported by design
EAN850A	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	
EAN900	1.2.5	H.264 MPEG4 MJPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	
Note:	Fix stream 1 as recording stream and fix stream 2 for mobile client used.									
EDN3240	1.0.14	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
EDN800	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	
EDN850H	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	-	Yes	Yes	
EHN3200	1.0.14	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
EPN3100	1.2.14	H.264 MPEG4 MJPEG	1	704x576	1-way	4/2	Yes	Yes	Yes	Supported by design
EPN3600	1.2.14	H.264 MPEG4 MJPEG	1	704x576	1-way	4/2	Yes	Yes	Yes	
EQN2200	1.0.27	H.264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Supported by design
EQN2201	1.0.27	H.264 MJPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Supported by design
EVS200A	1.2.8	H.264 MPEG4 MJPEG	2	704x576	1-way	2/2	Yes	Yes	Yes	

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EVS200AW	1.2.8	H.264 MPEG4 MJPEG	2	704x576	1-way	2/2	Yes	Yes	Yes	Supported by design
EDN3240	1.0.14	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
Note:	EVS200A/EVS200AW: Fix stream 1 as recording stream and fix stream 2 for mobile client used. PTZ is only supported by external RS-485 device.									
EVS410	1.0.14	H.264 MJPEG	4	704x480	1-way	4/1	Yes	Yes	Yes	
Note:	PTZ is only supported by external RS-485 device.									
EZN3240	1.0.14	H.264 MJPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
EZN850	1.2.5	H.264 MPEG4 MJPEG	1	704x576	1-way	1/1	Yes	Yes	Yes	
Note:	PTZ: support focus only.									

Forenix



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
ACDV-3VM501		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	Supported by design
AEP-Q2018HW-IP		H.264 M-JPEG	1	720x480	-	-	Yes	Yes	Yes	Supported by design
AEP-Q2026HW-IP		H.264 M-JPEG	1	720x480	-	-	Yes	Yes	Yes	Supported by design
AEP-Q2036HW-IP		H.264 M-JPEG	1	720x480	-	-	Yes	Yes	Yes	Supported by design
ASP-PTIR737-IP		H.264 M-JPEG	1	720x576	-	-	Yes	Yes	Yes	Supported by design
ASP-PTIR737-LA-IP		H.264 M-JPEG	1	720x576	-	-	Yes	Yes	Yes	Supported by design
ATCP-IRH503 OC		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	Supported by design
ATCP-IRH504 OC		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	Supported by design
ATCP-MH802		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	Supported by design
ATCP-MH802DN		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	Supported by design
ATCP-MH802DN/WI		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	Supported by design

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ATCP-MH802 WI		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	Supported by design
ATCP-VM501		H.264 M-JPEG	1	1600x1200	-	1/1	-	Yes	Yes	Supported by design
AWB-H811		H.264 M-JPEG	1	720x480	-	2/2	Yes	Yes	Yes	Supported by design
AWB-H814		H.264 M-JPEG	1	720x576	-	4/4	-	Yes	Yes	Supported by design
B0100		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Supported by design
B1100		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Supported by design
C1100		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	Supported by design
C1100-W		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	Supported by design
C2100		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	Supported by design
D0100		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	Supported by design
D1100		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Supported by design
D2100		H.264 M-JPEG MPEG4	1	1280x800	1-way	1/0	-	Yes	Yes	Supported by design
GE-100-VS		H.264 M-JPEG MPEG4	1	1280x800	1-way	-	-	Yes	Yes	Supported by design

Mobotix



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
M24	MX-V4.0.4.19	MxPEG M-JPEG	1	2048x1536	1-way	-	-	Yes	-	
T24	MX-V4.0.4.19	MxPEG M-JPEG	1	2048x1536	1-way	7/3	-	Yes	-	

Samsung



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
SNB-1000	v1.07_110407	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/1	-	Yes	-	

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Note:	This is POE camera, but the device is unstable without AC power connection. We suggest connecting with AC power.										
Note:	I/O and MD is unstable, which is a known issue reported by Samsung. They won't do any change since the camera is discontinued.										
SNB-5000	v1.33_110218	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-		
SND-1010	v1.07_110407	H.264 MPEG4 M-JPEG	1	640x480	-	1/1	-	Yes	-		
Note:	This is POE camera, but the device is unstable without AC power connection. We suggest connecting with AC power.										
Note:	I/O and MD is unstable, which is a known issue reported by Samsung. They won't do any change since the camera is discontinued.										
SND-5080/F	v2.00_110608	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-		
SNO-5080R	v1.00_110514	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-		
SNP-3120/V/ VH	v1.24_110816	H.264 MPEG4 M-JPEG	1	704x480	1-way	2/2	Yes	Yes	-		
Note:	It takes a while to stop after users click stop patrol button.										
SNP-3430H	v1.10_110818	H.264 MPEG4 M-JPEG	1	704x480	1-way	8/4	Yes	Yes	-		
Note:	This is POE camera, but the device is unstable without AC power connection. We suggest connecting with AC power.										
Note:	There is a camera FW issue that we cannot get VBR/CBR info to show quality or bit rate correctly. Please upgrade to FW 1.11_111103 to fix it.										
Note:	Voice cracks in the video exported with ASF format, while the audio of video file is correctly recorded actually. Please choose to export with AVI format.										
Note:	Not support Area Zoom due to protocol limitation.										
Note:	The speed selections of PTZ and focus in LiveView is not synchronized with camera web due to protocol limitation.										
SNP-5200		H.264 MPEG4 M-JPEG	1	1280x1024	1-way	4/2	-	Yes	-	Supported by design	
SNP-5200H	v1.02_110603	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	4/2	-	Yes	-		
Note:	SNP-5200/5200H: voice cracks in the video exported with ASF format, while the audio of video file is correctly recorded actually. Please choose to export with AVI format.										
Note:	SNP-5200/5200H: not support Area Zoom due to protocol limitation.										
Note:	SNP-5200/5200H: the speed selections of PTZ and focus in LiveView is not synchronized with camera web due to protocol limitation.										

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SNV-5080		H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	Supported by design
SNV-5080R	v1.00_110421	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	-	
Note:	It's likely failed to query camera parameter in high resolution configuration. It happens on SNO-5080R most. When encountering this issue, please go to camera web.									
SPE-100	v1.19_110317	H.264 MPEG4 M-JPEG	1	704x480	1-way	1/1	Yes	Yes	-	
Note:	SPE-100 PTZ is abnormal, which PTZ may not be stopped after operating. This is camera FW bug, we can observe the same phenomenon on camera web.									
Note:	All cameras: it's likely failed to query camera parameter in high resolution configuration. It happens on SNO-5080R most. When encountering this issue, please go to camera web.									
Note:	All cameras: if configuring fixed frame rate on camera web, parameter selection on NVR web page won't be synchronized.									

Sunell



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
SN-IPC54/11 DN		H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Supported by design
SN-IPC54/12 DN		H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	-	Supported by design
SN-IPC54/20 DN	1.6_build0440 11_061	H.264 M-JPEG	1	704x576	1-way	-	-	Yes	-	
SN-IPC54/50 DN		H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Supported by design
SN-IPD54/11 DN		H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Supported by design
SN-IPD54/12 DN		H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	-	Supported by design
SN-IPR54/50 DN		H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Supported by design
SN-IPS54/60 DN/Z18		H.264 M-JPEG	1	704x576	1-way	-	-	Yes	-	Supported by design
SN-IPS54/60 DN/Z36		H.264 M-JPEG	1	704x576	1-way	-	-	Yes	-	Supported by design
SN-IPV54/11 DN		H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Supported by design
SN-IPV54/12 DN		H.264 M-JPEG	1	1920x1080	1-way	-	-	Yes	-	Supported by design
SN-IPV54/50 DN		H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Supported by design

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SN-IPV54/50 DR		H.264 M-JPEG	1	1280x720	1-way	-	-	Yes	-	Supported by design
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Note: Do not support I/O due to camera FW limitation.

UDP



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
IPE1100M		H.264 MPEG4 M-JPEG	1	720x582	1-way	1/1	-	Yes	Yes	Supported by design
IPE3100		H.264 MPEG4 M-JPEG	1	768x576	1-way	1/1	-	Yes	Yes	Supported by design
IPE3500		H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	Supported by design
IPE3500M	1.6.7	H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	
IPE4100	1.6.6	H.264 MPEG4 M-JPEG	1	720x576	1-way	4/2	Yes	Yes	Yes	
IPE5500		H.264 MPEG4 M-JPEG	1	752x582	1-way	1/1	-	Yes	Yes	Supported by design
IPE6500		H.264 MPEG4 M-JPEG	1	752x582	1-way	1/1	-	Yes	Yes	Supported by design
IPE7500		H.264 MPEG4 M-JPEG	1	752x582	1-way	1/1	-	Yes	Yes	Supported by design
NVC1000	1.6.7	H.264 MPEG4 M-JPEG	1	720x576	1-way	2/2	Yes	Yes	Yes	
NVC4000	1.6.7	H.264 MPEG4 M-JPEG	1	720x576	1-way	2/1	Yes	Yes	Yes	
NVC4000-R12		H.264 MPEG4 M-JPEG	1	720x576	1-way	2/1	Yes	Yes	Yes	Supported by design
NVC4000-R40		H.264 MPEG4 M-JPEG	1	720x576	1-way	2/1	Yes	Yes	Yes	Supported by design

Note: UDP cameras are likely disconnected if configuring camera parameter frequently. This is the known issue from camera vendor. When encountering this issue, please reboot the camera.

Note: UDP cameras are likely disconnected if setting up highest quality. This is the known issue from camera vendor. When encountering this issue, please reboot the camera, and do not set up this configuration.

Vivotek



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
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FE8171V	0100d	H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	Yes	
Note:	De-wrap function is not integrated in this version.									
IP8133W	0100c	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Supported by design
Note:	Due to the parameter limitation of stream 1, we take stream 2 as main stream for recording and liveview.									
IP8352	0100g	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Supported by design
Note:	I/O status is abnormal, which input and output cannot be triggered at the same time. Vivotek will fix the bug in next release, please upgrade to new camera FW then.									
IP8362	0100d	H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/0	-	Yes	Yes	Supported by design
VS8102	0202c2	H.264 MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	