

Release Version 2.7 (2011/7/27)

New Features

1. **Dual stream**
 - CNB
 - Grundig
 - Pelco

Enhancement

1. Enlarge the period of keeping video from 30 days to 365 days.
2. Second stream of some cameras¹ is only available under certain circumstances, such as motion is disabled or total bitrate is low. Which implies NVR can receive second streaming from camera if the configuration is within restrictions. If it's not, NVR chooses a workaround to get live video to support the dual stream features.

Bug Fixed

1. Fixed the issue that parameters of some IQeye cameras² can't be saved successfully.
2. Fixed the issue that CMS cannot trigger output device of NVRmini properly.
3. Revised Arecont dual stream function to make it more connectable in poor network environments.
4. Fixed dual stream function on Brickcom, Fine and NetworkCamera cameras.
5. Fixed the compatibility issue that motion detection of Sony CH/DH series cameras doesn't work with camera FW v1.30 and above.
6. Fixed the issue that connecting MJPEG dual stream of SANTEC cameras³ likely leads to camera malfunction.
7. Fixed the issue that system becomes abnormal if Zavio cameras which enable motion detection connect and disconnect frequently.
8. Synchronize the I/O status with server and liveviewer without re-logging in.
9. Fixed the issue that non-English words display in scratch on mobile client.

New Camera Supported

1. Arecont: AV8365DN
2. Axis: P3346, P3346-V, P3346-VE, Q6034
3. Fine: TCP-1200AV, TCP-1300AM
4. **Grundig**: GCI-0735P, GCI-C0745P, GCI-H0503B, GCI-H0522V, GCI-H0602B, GCI-K0322V, GCI-K0503B, GCI-K0512W, GCI-K0523T
5. HIKVision: DS-6101HFI-IP
6. Panasonic: DG-SF334, WV-SW395
7. **Pelco**: D5118
8. SANTEC: SNC-6221MIR, SNC-6301M, SVS-1100
9. Sony: SNC-DH110/B, SNC-DH110/W, SNC-DH210/B, SNC-DH210/W, SNC-DH210T/B, SNC-DH210T/S
10. Truen: TCS-200, TCS-2000, TCS-300, TCAM-3XX (330/351/370), TCAM-530, TCAM-531, TCAM-531BIR, TCAM-540, TCAM-551
11. Videosec: ICS-13, ICS-20F, ID-20
12. Vivotek: VS8102, VS8801

¹ Such as Basler, Brickcom, Panasonic and Sony. Please consult with camera vendors for details

² The following IQeye models are with this bug in previous version: IQ040S, IQ041S, IQ042S, IQ540S, IQ541S, IQ542S, IQD30S, IQD31S, IQD40S, IQD41S, IQD42S

³ SANTEC 1.3 megapixel and D1 cameras

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	CIF~SXGA	0.1~10	CIF~SXGA	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
Fine	CIF	1~3	CIF	0.1~1.5
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
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
TRUEN	CIF~Full D1	0.1~10	CIF~Full D1	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	CIF	5	CIF	2
Vivotek 7000v2/8000 (2 Mega)	CIF	3	QCIF	3
Vivotek 7000v2/8000 (IP83XX)	CIF	3	CIF	1

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Vivotek 8000 (VS series)	QCIF~D1	0.1~10	QCIF~D1	0.1~10
Zavio	CIF	5	QCIF	3
Zavio (Mega)	CIF	7	CIF	2

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

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




Vidosec 1: IBF-211, IDA-210, IP-206M, IS-240

Vidosec 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

Arecont											
											
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Remarks
AV1315	65191	M-JPEG H.264	1	1280x1024	-	-	-	Yes	-	Yes	
AXIS											
											
Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks	
P3346	5.20	H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes*		
P3346-V		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Supported by design	
P3346-VE		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Supported by design	
Note:	P3343, P3344 and P3346 series cameras support digital PTZ only.										
Q6034	5.20.3	H.264 M-JPEG	1	640x480	1-way	2/2	Yes	Yes	Yes	*link	
FINE											
											

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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
TCP-1200AV	V1.0.26_F	H.264 M-JPEG	1	640x480	1-way	-	-	Yes	-	
TCP-1300AM	V1.0.26_F	H.264 M-JPEG	1	1280x1024	1-way	-	-	Yes	-	

Grundig

FOR A GOOD REASON
GRUNDIG

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
GCI-0735P		H.264 MPEG4 M-JPEG	1	720x576	1-way	4/1	Yes	Yes	Yes	Supported by design
GCI-C0745P	720110412NS	H.264 M-JPEG	1	720x576	1-way	4/1	Yes	Yes	Yes	
GCI-H0503B	720110422NS	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	-	Yes	Yes	
GCI-H0522V		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Supported by design
GCI-H0602B		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Supported by design
GCI-K0322V	720110413NS	H.264 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	
GCI-K0503B		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Supported by design
GCI-K0512W		H.264 MPEG4 M-JPEG	1	1920x1080	-	1/1	-	Yes	Yes	Supported by design
GCI-K0523T		H.264 MPEG4 M-JPEG	1	1920x1080	1-way	1/1	-	Yes	Yes	Supported by design

Note: With HW restrictions, the video @ H.264 with TCP protocol is not smooth in the conditions of high resolution, fps and bitrate. We recommend to lower bitrate to 4000.

HIKVision

HIKVISION

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
DS-6101HFI-IP	V2.0 101112	H.264	1	704x576	-	1/1	-	Yes	-	

Panasonic

Panasonic
ideas for life

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
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DG-SF334	1.03 1.05	H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	-	Yes	-	
Note:	Disable H.264 and MPEG4 will get MJPEG stream playing more smoothly.									
WV-SW395		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Supported by design

Pelco



by Schneider Electric

Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
D5118	Software Version : 1.6.13.9310-A 1.4657 Hardware Version : 9310-A1.1-10 345	H264 JPEG	1	1280x960	-	-	Yes	-	-	

Note: Do not support to "clear all" preset points.

SANTEC



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
SNC-6221MIR	5.2.2	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Supported by design
SNC-6301M	5.2.2	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/1	-	Yes	Yes	Supported by design
SVS-1100	1.1.8	H.264 MPEG4 M-JPEG	1	720x576	1-way	2/2	Yes	Yes	Yes	

Note: 1.3 megapixel cameras: frame rate of MJPEG format is not synchronized as camera actually sends, for example, we set fps to 5 fps, but the video is 3 fps. This issue is fixed in camera FW v5.2.6.

Note: 1.3 megapixel and 3 megapixel cameras: with HW restrictions, the video @ H.264 with TCP protocol is not smooth in the conditions of high resolution, fps and bitrate.

Sony



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Remarks
SNC-DH110	1.27.02	H.264 MPEG4 M-JPEG	1	1280x960	-	-	-	Yes	-	Yes	
SNC-DH210		H.264 MPEG4 M-JPEG	1	2048x1536	-	-	-	Yes	-	Yes	Supported by design

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SNC-DH210T	1.27.00	H.264 MPEG4 M-JPEG	1	2048x1536	-	-	-	Yes	-	Yes	
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TRUEN



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
TCS-200	Enc: V1.104A-035	H.264	1	720x576	1-way	2/2	Yes	Yes	-	
TCS-2000	Enc: V1.103C-005	H.264 MJPEG	1	1920x1080	1-way	2/2	Yes	Yes	-	
TCS-300	Enc: V1.103C-005	H.264 MJPEG	1	720x576	1-way	2/2	Yes	Yes	-	
TCAM-330		H.264 MJPEG	1	720x576	1-way	0/0	Yes	Yes	-	Supported by design
TCAM-351		H.264 MJPEG	1	720x576	1-way	0/0	Yes	Yes	-	Supported by design
TCAM-370	Enc: V1.103C-005	H.264 MJPEG	1	720x576	1-way	0/0	Yes	Yes	-	

Note: Do not support NTSC on TCAM-3XX (330,351,370).

TCAM-530	Enc: V1.103C-005	H.264 MJPEG	1	1920x1280	1-way	1/1	-	Yes	-	
TCAM-531	Enc: V1.103C-005	H.264 MJPEG	1	1280x960	1-way	1/1	-	Yes	-	
TCAM-531BIR		H.264 MJPEG	1	1280x960	1-way	1/1	-	Yes	-	Supported by design
TCAM-540	Enc: V1.103C-006	H.264 MJPEG	1	1920x1280	1-way	1/1	-	Yes	-	

Note: Get severe broken image at the highest resolution 1920x1280, which will be improved in future new camera FW. (approx. three months later)

TCAM-551		H.264 MJPEG	1	1280x960	1-way	1/1	-	Yes	-	Supported by design
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Note: All cameras: The video @ H.264 with TCP protocol is not smooth in the conditions of high resolution, fps and bitrate, which will be improved in future camera FW. (approx. three months later)

Videosec



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
ICS-13	CCD-cameraFW-100811P et20110215NS	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	-	Yes	-	

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ICS-20F	et20110215A NS	MJPEG H2.64	1	1920x1080	1-way	1/1	-	Yes	Yes	
Note:	With HW restrictions, the video @ H.264 with TCP protocol is not smooth in the second and third high resolution.									
ID-20	et20110215A NS	MJPEG H2.64	1	1920x1080	1-way	-	-	Yes	Yes	
Note:	With HW restrictions, the video @ H.264 with TCP protocol is not smooth in the second and third high resolution.									

VIVOTEK



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
VS8102		H.264 MPEG4 M-JPEG	1	720x576	1-way	1/1	-	Yes	Yes	Supported by design
VS8801	0100h	H.264 MPEG4 M-JPEG	8	720x480	1-way	8/8	Yes	Yes	-	*link

Visit NUUO website for full supporting list:

<http://www.nuuo.com/product.php?id=13&sub=4>

Release Version 2.6 (2011/4/E)

New Features

- Dual stream**
 - Brickcom
 - Fine
 - NetworkCamera

Enhancement

- Pop up a message to notify users that there are some restrictions of some cameras⁴ when setting motion detection function.
- Add one selection of AVI export format to keep the original video quality when exporting

Bug Fixed

- Synchronize the status of motion detection and digital input with liveviewer and client AP
- Fixed the issue that the ActiveX cannot be installed properly on IE and Client AP doesn't work when selecting an operation system language which is not on the list of both *Standards and Formats* and *Language for Non-Unicode Programs*, such as Georgian.
- Fixed the issue that system is forced to restart if there is a disconnected Sony camera while switching stream profile on other connected Sony cameras

New Camera Supported

- ACTi: TCM7811

⁴ Such as Basler, Brickcom, Panasonic and Sony. Please consult with camera vendors for details.

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2. Arecont: AV1315, AV2815
3. Axis: 212 PTZ-V, 215 PTZ-E, 240Q Blade, 241Q Blade, 241S Blade, 243Q Blade, M1103, M1104, M1114, P1343-E, P1344-E, P1346-E, P1347, P1347-E, P5532, P5532-E, P5534-E, Q1755-E, Q1921, Q1921-E
4. Fine: EDH-02H, SP-PYIR737-LA-IP, TCP-IR590-WD30, TCP-IR590-WD50, TCP-IRH5030C, TCP-IRH5040C
5. Panasonic: BL-C230, WV-SC385, WV-SF332, WV-SF335, WV-SP102, WV-SP105, WV-SP302, WV-SP305
6. SANTEC: SNC-3903M, SNC-5321MIR, SNC-6163ID, SNC-6223MIR, SNC-6303M, SNC-P3603M
7. Sony: SNC-CH110, SNC-CH120, SNC-CH180, SNC-CH220, SNC-CH260, SNC-CH280, SNC-DH260, SNC-DH280
8. Vivotek: IP8132, MD7560, PZ7132, SD81X1

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
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
Fine	CIF	1~3	CIF	0.1~1.5
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
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
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
TRUEN	CIF~Full D1	0.1~10	CIF~Full D1	0.1~10
Vidosec	QVGA	5	QQVGA	5
Vivotek	CIF	5	CIF	2

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7000v2/8000				
Vivotek 7000v2/8000 (2 Mega)	CIF	3	QCIF	3
Vivotek 7000v2/8000 (IP83XX)	CIF	3	CIF	1
Zavio	CIF	5	QCIF	3
Zavio (Mega)	CIF	7	CIF	2

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

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

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New Camera Support

ACTi



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Remarks
TCM7811	A1D-310-V4 .07.15-AC	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/1	-	Yes	Yes	Yes	

Arecont



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Remarks
AV1315	65191	M-JPEG H.264	1	1280x1024	-	-	-	Yes	-	Yes	
AV2815	65191	H.264 M-JPEG	1	1920x1080	-	1/1	-	Yes	-	Yes	

AXIS



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
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212 PTZ-V		MPEG4 M-JPEG	1	640x480	1-way	1/1	Yes	Yes	Yes	Supported by design
215 PTZ-E		MPEG4 M-JPEG	1	704x576	1-way	1/1	Yes	Yes	Yes	Supported by design
240Q Blade		M-JEPG	4	704x576	-	4/4	-	Yes	Yes	Supported by design
241Q Blade		MPEG4 M-JPEG	4	704x576	-	4/4	-	Yes	Yes	Supported by design
241S Blade		MPEG4 M-JPEG	1	704x576	-	4/4	-	Yes	Yes	Supported by design
243Q Blade		MPEG4 M-JPEG	1	704x576	-	1/1	-	Yes	Yes	Supported by design
M1103		H.264 M-JPEG	1	800x600	-	-	Yes	Yes	Yes*	Supported by design
M1104	5.09	H.264 M-JPEG	1	1280x800	-	-	-	Yes	Yes*	
M1114		H.264 M-JPEG	1	1280x800	-	-	-	Yes	Yes*	Supported by design
P1343-E		H.264 M-JPEG	1	640x480	1-way	1/1	Yes	Yes	Yes	Supported by design
P1344-E		H.264 M-JPEG	1	1280x800	1-way	1/1	Yes	Yes	Yes	Supported by design
P1346-E		H.264 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Supported by design
P1347	5.11	H.264 M-JPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes*	
P1347-E		H.264 M-JPEG	1	2560x1920	1-way	1/1	Yes	Yes	Yes	Supported by design
P5532	5.15	H.264 M-JPEG	1	720x480	1-way	2/2	Yes	Yes	Yes*	
P5532-E		H.264 M-JPEG	1	720x480	1-way	2/2	Yes	Yes	Yes	Supported by design
P5534-E		H.264 M-JPEG	1	1280x720	1-way	2/2	Yes	Yes	Yes	Supported by design
Q1755-E		H.264 M-JPEG	1	1920x1080	1-way	1/1	Yes	Yes	Yes	Supported by design
Q1921	5.11	H.264 M-JPEG	1	768x576	-	2/0	-	Yes	Yes*	
Q1921-E		H.264 M-JPEG	1	768x576	-	2/0	-	Yes	Yes	Supported by design

Fine



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Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
EDH-02H	V1.0.20_F	H.264 M-JPEG	1	720x480	1-way	1/1	Yes	Yes	-	
SP-PYIR737-L A-IP		H.264 M-JPEG	1	720x480	1-way	-	Yes	Yes	-	Supported by design
TCP-IR590-W D30	V1.0.20_F	H.264 M-JPEG	1	720x576	1-way	1/1	-	Yes	-	
TCP-IR590-W D50		H.264 M-JPEG	1	720x576	1-way	1/1	-	Yes	-	Supported by design
TCP-IRH5030 C	V1.0.20_F	H.264 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	-	
TCP-IRH5040 C		H.264 M-JPEG	1	1600x1200	1-way	1/1	-	Yes	-	Supported by design

Panasonic



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
BL-C230		H.264 MPEG4 M-JPEG	1	640x480	1-way	-	Yes	Yes	Yes	Supported by design
WV-SC385		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Supported by design
WV-SF332		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Supported by design
WV-SF335		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Supported by design
WV-SP102		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Supported by design
WV-SP105		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Supported by design
WV-SP302		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Supported by design
WV-SP305		H.264 MPEG4 M-JPEG	1	1280x960	1-way	-	Yes	Yes	-	Supported by design

SANTEC



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
SNC-3903M	9.6.1	H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	

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Note:	PTZ is only supported by external RS-485 device.										
SNC-5321MIR		H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
SNC-6163ID		H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
SNC-6223MIR		H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
SNC-6303M		H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design
SNC-P3603M		H.264 MPEG4 M-JPEG	1	2048x1536	1-way	1/1	Yes	Yes	Yes	Yes	Supported by design

Sony



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Camera Search Tool	Remarks
SNC-CH110	1.27.00	H.264 MPEG4 M-JPEG	1	1280x960	-	-	-	Yes	-	Yes	
SNC-CH120	1.30.00	H.264 MPEG4 M-JPEG	1	1280x1024	-	1/0	-	Yes	-	Yes	
SNC-CH180	1.26.01	H.264 MPEG4 M-JPEG	1	1280x1024	1-way	1/2	-	Yes	-	Yes	
SNC-CH220	1.21.02	H.264 MPEG4 M-JPEG	1	1920x1440	-	1/1	-	Yes	-	Yes	
SNC-CH260	1.30.00	H.264 MPEG4 M-JPEG	1	1920x1440	-	1/1	-	Yes	-	Yes	
SNC-CH280	1.26.01	H.264 MPEG4 M-JPEG	1	1920x1440	1-way	1/2	-	Yes	-	Yes	
SNC-DH260	1.30.00	H.264 MPEG4 M-JPEG	1	1280x960	-	1/1	-	Yes	-	Yes	
SNC-DH280	1.26.01	H.264 MPEG4 M-JPEG	1	1921x1440	1-Way	1/2	-	Yes	-	Yes	

VIVOTEK



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
IP8132		H.264 MPEG4 M-JPEG	1	1280x800	-	1/0	-	Yes	Yes	Supported by design
MD7560	0100c	H.264 MPEG4 M-JPEG	1	1600x1200	1-way	1/0	-	Yes	Yes	

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PZ7132		MPEG4 M-JPEG	1	640x480	1-way	1/1	Yes	Yes	Yes	Supported by design
SD81X1	0100e	MPEG4 M-JPEG	1	704x576	1-way	4/1	Yes	Yes	Yes	