

## Release Version v2.3.2 (2010/5/6)

### New Features

1. Support ImmerVision lens
  - PTZ mode
  - Quad mode
  - Perimeter mode
  - Multiple view will be supported in next release
2. Arecont I/O integration
3. Mobotix I/O integration
4. HIKVision motion detection
5. Enhance Install wizard
  - New language: Dutch, Portuguese (Brazil), Swedish
  - Compatible with Windows 7

### System Improvement

1. [System] Check file system automatically after login, which decreases the potential risk of file system error due to abnormal power-off
2. [Verification Tool] Support verifying the exported videos which slices to more than one clip (i.e. there are more than one resolution on the exported video)

### Bug Fixed

1. Fixed ACTi camera disconnection issue while using DDNS with TCP protocol
2. Fixed the bug that system keeps restarting when connecting Arecont camera with UDP protocol

### New Camera Supported

1. **Brickcom:** FD-100A, WCB-100A, WFB-100A
2. **Panasonic:** BB-HCM701, BB-HCM705, BB-HCM715, BB-HCM735

### Known Issue

1. Camera list on liveview displays empty sometimes. Please click liveview page to refresh it
2. The parameter configuration of every channel on StatDot video server is actually saved to the first channel, that is, users cannot set up parameter for second (third, fourth) channel on NVRmini. The current workaround is configuring it on camera website
3. Parameter setting problem on some Vivotek cameras:
  - Camera needs to be setup twice to the highest resolution if camera is in *frame rate first* mode
  - Unable to setup to highest fps if camera is in *quality first* mode. The workaround is configuring it on camera website

**Note:** There are two modes on some cameras (LevelOne FCS-1151, Vivotek IP7160, IP7161, FD7160, IP7361, and IP8161), *frame rate first* mode and *quality first* mode. In *frame rate first* mode, users can setup highest 30 fps; in *quality first* mode, users can have highest resolution

### Remark

1. Languages Traditional Chinese and Czech are removed from NV-4080 and NV-4160

## Appendix

### Brickcom



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
FD-100A	v2.3.7.8	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/0	-	-	Yes	
WCB-100A	v2.3.7.8	H.264 MPEG4 M-JPEG	1	1280x800	1-way	-	-	-	Yes	
WFB-100A	v2.3.7.8	H.264 MPEG4 M-JPEG	1	1280x800	1-way	1/0	-	-	Yes	

### Panasonic



Device Name	Tested Firmware	Video Format	Video Ch	Max Resolution	Audio	I/O Ch	PTZ	On-Edge Motion	UPnP	Remarks
BB-HCM701	4.30R00	H.264 MPEG4 M-JPEG	1	640x480	1-way	1/0	-	Yes	Yes	
BB-HCM705	4.11R01	H.264 MPEG4 M-JPEG	1	1280x960	1-way	1/0	-	Yes	Yes	
BB-HCM715		H.264 MPEG4 M-JPEG	1	1280x960	1-way	2/1	Yes	Yes	Yes	Supported by design
BB-HCM735	1.05-03 (100303-02)	H.264 MPEG4 M-JPEG	1	1280x960	1-way	2/1	Yes	Yes	Yes	

## Release Version v2.3.1 (2010/4/8)

### Bug Fixed

1. NVRmini via https is connectible
2. Update DDNS server support list: DtDNS and DynDns
3. Fix Panasonic i-pro series camera video parameter setting bug
4. Fix the bug that POS Tag Filter cannot be deleted when there is only "Default.ini" left
5. The settings page won't be invalid when connecting some unconnected POS sources

### New Camera Supported


1. **Sanyo:** VCC-HD2100, VCC-HD2100P, VCC-HD2300, VCC-HD2300P, VCC-HD2500, VCC-HD2500P, VCC-HD3300, VCC-HD3500, VCC-HD4000, VCC-HD4000P, VCC-HD4600, VCC-HD4600P, VCC-HD5400, VCC-HD5400P, VCC-HD5600, VCC-HD5600P, VCC-HDN1(S), VDC-HD3100, VDC-HD3100P, VDC-HD3300, VDC-HD3300P, VDC-HD3500, VDC-HD3500P

## Appendix

### Sanyo

# NVRmini Release Note

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Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remarks
VCC-HD2100		M-JPEG H.264	1	2288x1712	No	2/2	No	Yes	No	Supported by design
VCC-HD2100P		M-JPEG H.264	1	2288x1712	No	2/2	No	Yes	No	Supported by design
VCC-HD2300		M-JPEG H.264	1	2288x1712	No	2/2	No	Yes	No	Supported by design
VCC-HD2300P		M-JPEG H.264	1	2288x1712	No	2/2	No	Yes	No	Supported by design
VCC-HD2500	As below	M-JPEG H.264	1	2288x1712	One-way	2/2	No	Yes	No	
Note:	FW: CAM MAIN 1.00-10, CAM SUB 1.00-00, NET MAIN 1.00-06, NET SUB 1.00-01									
VCC-HD2500P	As below	M-JPEG H.264	1	2288x1712	One-way	2/2	No	Yes	No	
Note:	FW: CAM MAIN 1.00-10, CAM SUB 1.00-00, NET MAIN 1.01-02, NET SUB 0.00-00									
VCC-HD3300		M-JPEG H.264	1	2288x1712	No	2/2	No	Yes	No	Supported by design
VCC-HD3500		M-JPEG H.264	1	2288x1712	One-way	2/2	No	Yes	No	Supported by design
VCC-HD4000/ VCC-HDN1(S)		M-JPEG H.264	1	2288x1712	No	2/1	Yes	Yes	No	Supported by design
Note:	PTZ support: zoom, preset, and focus									
VCC-HD4000P	MAIN 1.05-04, SUB 1.00-03	M-JPEG H.264	1	2288x1712	No	2/1	Yes	Yes	No	
Note:	PTZ support: zoom, preset, and focus									
VCC-HD4600	As below	M-JPEG H.264	1	2288x1712	One-way	2/2	Yes	Yes	No	
Note:	FW: CAM MAIN 1.00-05, CAM SUB 1.00-01, NET MAIN 1.00-04, NET SUB 1.00-04 PTZ support: zoom, preset, and focus									
VCC-HD4600P		M-JPEG H.264	1	2288x1712	One-way	2/2	Yes	Yes	No	Supported by design
VCC-HD5400		M-JPEG H.264	1	2288x1712	One-way	4/2	Yes	Yes	No	Supported by design
VCC-HD5400P		M-JPEG H.264	1	2288x1712	One-way	4/2	Yes	Yes	No	Supported by design
VCC-HD5600	As below	M-JPEG H.264	1	2288x1712	One-way	8/2	Yes	Yes	No	
Note:	FW: CAM MAIN 1.00-04, CAM SUB 1.00-00, MEC MAIN 1.04-00, I/O MAIN 1.03-00, NET MAIN 1.00-04, NET SUB 1.00-02 PTZ Support: enable move feature is supported in NVRmini v2.3.2 and above version; 9~16 preset point are invalid in NVRmini v2.3.1 Max Resolution: 2288x1712(M-JPEG), 1920*1080(H.264)									
VCC-HD5600P		M-JPEG H.264	1	2288x1712	One-way	8/2	Yes	Yes	No	Supported by design
Note:	PTZ Support: enable move feature is supported in NVRmini v2.3.2 and above version; 9~16 preset point are invalid in NVRmini v2.3.1 Max Resolution: 2288x1712(M-JPEG), 1920*1080(H.264)									
VDC-HD3100		M-JPEG H.264	1	2288x1712	No	2/2	No	Yes	No	Supported by design
VDC-HD3100P		M-JPEG H.264	1	2288x1712	No	2/2	No	Yes	No	Supported by design
VDC-HD3300	MAIN 1.00-14, SUB 1.00-02	M-JPEG H.264	1	2288x1712	No	2/2	No	Yes	No	
VDC-HD3300P		M-JPEG H.264	1	2288x1712	No	2/2	No	Yes	No	Supported by design
VDC-HD3500		M-JPEG H.264	1	2288x1712	One-way	2/2	No	Yes	No	Supported by design
VDC-		M-JPEG	1	2288x171	One-way	2/2	No	Yes	No	Supported

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<b>HD3500P</b>		H.264		2						by design
Note:	Administrator privilege account / number: VCC-HD2100/2300/3100/3300: admin / 3; operator / 1 VCC-HD2500/3500/4600/5400/5600: admin / 1; operator / 2 VCC-HD4000: admin / 1									

## Release Version v2.3 (2010/3/19)

### New Features

- Enhance PTZ function
  - Patrol function
  - Focus function
  - Joystick
  - Drag rectangle view to control PTZ<sup>1</sup>
  - Drag rectangle view to control digital PTZ
- New language: Dutch, Portuguese (Brazil), Swedish
- Enhance time zone: Venezuela (-4:30)

### System Improvement

- [OS] Compatible with Windows 7
- [Playback] Show camera name on date/time search dialog to search video easier
- [Playback] Able to playback selected video spanning across one day
- [Backup] Able to backup selected video spanning across one day
- [POS] Add error proof mechanism when failing to upload settings

### Bug Fixed

- Fixed playback POS overlay bug when configuring some certain contents of tag filter
- Fixed Vivotek 7000 series bug that user cannot connect through RTSP with authentication
- Fixed the malfunction on save video and backup when Power user executes Playback System
- Fixed the port forwarding problem that users can connect the first device only if there are more than two devices set up with same WAN IP. This is due to configure file recognizing WAN IP only, not recognizing port
- When there is no sound card or sound card is disabled, IE won't be forced to close when switching to playback page
- Fixed the bug that sound is prolonged in exported videos if the original videos have non-continuous frames lasting over 2 seconds
- The days of kept videos cannot be set over than 30 days when clicking *Enter* on keyboard

### New Camera Supported

- ACTi: ACM-1011, ACM-3601, ACM-3603, ACM-3701, ACM-3803, ACM-8511, ACD-2500
- Arecont: AV3135
- CNB**: IBE3815NVR, IBE3815PVR, IBE5810NCR, IBE5810PCR, IDP4000VD, IDP4000VR, IDP4030VR, IGP1000, IGP1030, IJB2000, INS2000, IPM3063N, IPM3063P, ISMC1063N, ISMC1063P, ISS2765NW, ISS2765PW, IVP4000VR, IVP4030VR
- HIKVision**<sup>2</sup>: DS-2CD702NF-E, DS-2CD702PF-E, DS-2CD712NF-E, DS-2CD712PF-E, DS-2CD732F-E, DS-2CD752MF-E, DS-2CD752MF-FB, DS-2CD762MF-FB, DS-2CD792NF-E, DS-2CD792PF-E, DS-2CD802NF, DS-2CD802NF-E, DS-2CD802NF-W, DS-2CD802PF, DS-2CD802PF-E, DS-2CD802PF-W, DS-2CD802N-IR1, DS-2CD802N-IR3, DS-2CD802N-IR5, DS-2CD802P-IR1, DS-2CD802P-IR3, DS-2CD802P-IR5, DS-2CD812NF, DS-2CD812NF-E,

<sup>1</sup> This function is supported by camera itself, e.g. Axis and Sony.

<sup>2</sup> Need to upgrade to the latest version FW

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- DS-2CD812NF-W, DS-2CD812PF, DS-2CD812PF-E, DS-2CD812PF-W, DS-2CD812N-IR1, DS-2CD812N-IR3, DS-2CD812N-IR5, DS-2CD812P-IR1, DS-2CD812P-IR3, DS-2CD812P-IR5, DS-2CD832F, DS-2CD832F-E, DS-2CD852MF-E, DS-2CD862MF-E, DS-2CD892NF, DS-2CD892NF-E, DS-2CD892NF-W, DS-2CD892PF, DS-2CD892PF-E, DS-2CD892PF-W, DS-2CD892N-IR1, DS-2CD892N-IR3, DS-2CD892N-IR5, DS-2CD892P-IR1, DS-2CD892P-IR3, DS-2CD892P-IR5
- 5. Mobotix: D24-Basic, D24-IT, D24-Sec
- 6. Panasonic: BL-C101, BL-C121, BL-C160
- 7. **SANTEC**: SNC-390DN/W, SNC-521IR/W, SNC-565IR/W, SNC-620/W, SNC-670ID/W
- 8. Samsung: SNC-B2331, SNC-B2335, SNC-B5368, SNC-B5399
- 9. **StarDot**: SD130B, SD130BN, SD130V, SD130VN, SD300B, SD300V, SD500B, SD500BN, SD500V, SD500VN, SDEXP4, SDVEXP2
- 10. Vivotek: FD7160, IP7153, IP7361, IP8161, PZ71x2, VS8102

## Known Issue

1. WD Caviar series HDD belongs to desktop level, and we verified that there is an offline issue. We don't suggest users using Caviar series HDD
2. Cannot connect NVRmini via https, which will be fixed in v2.3.1
3. Only DtDNS server is available in this version. DynDns has problem to sync updated information and will be fixed in v2.3.1, while Dynu closed its service and will be removed
4. IE is no reaction after opening date/time search dialog for a while. This issue happened with IE8 running on Windows 7, and we have been keeping surveying this IE bug
5. Setup the Windows 7 main system in the second monitor, IE is forced to close as opening date/time search dialog
6. When connecting more than four POS sources, the settings page is likely to be invalid. Users need to reboot to make it work

## Appendix

### ACTi



Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remarks
<b>TCD2500</b>	A1D-310-V4 .06.08-AC	MPEG4 M-JPEG H.264	1	720x480	One-way	2/1	Yes	Yes	Yes	
<b>ACM1011</b>	A1D-220-V3 .10.22-AC	MPEG4 M-JPEG	1	640x480	One-way	0/0	No	Yes	No	
<b>ACM3601</b>	A1D-220-V3 .10.22-AC	MPEG4 M-JPEG	1	640x480	No	0/0	No	Yes	No	
<b>ACM3603</b>		MPEG4 M-JPEG	1	640x480	No	0/0	No	Yes	No	Supported by design
<b>ACM3701</b>	A1D-220-V3 .10.22-AC	MPEG4 M-JPEG	1	1280x1024	No	0/0	No	Yes	No	
<b>ACM3703</b>		MPEG4 M-JPEG	1	1280x1024	No	0/0	No	Yes	No	Supported by design
<b>ACM8511</b>	A1D-220-V3 .11.13-AC	MPEG4 M-JPEG	1	720x480	One-way	1/1	Yes	Yes	No	

### Arecont





Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remarks
<b>AV3135</b>	65135	M-JPEG H.264	1	2048x1536	No	0/0	No	Yes	No	

### CNB

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Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remarks
<b>IBE3815N VR</b>		MPEG4 M-JPEG H.264	1	704x480	One-way	0/0	Yes	No	Yes	Supported by design
<b>IBE3815P VR</b>		MPEG4 M-JPEG H.264	1	704x576	One-way	0/0	Yes	No	Yes	Supported by design
<b>IBE5810N CR</b>		MPEG4 M-JPEG H.264	1	704x480	One-way	0/0	Yes	No	Yes	Supported by design
<b>IBE5810P CR</b>		MPEG4 M-JPEG H.264	1	704x576	One-way	0/0	Yes	No	Yes	Supported by design
<b>IDP4000V D</b>	XNET.A1-1.1.9.1104	MPEG4 M-JPEG H.264	1	640x480	One-way	0/0	No	No	Yes	
<b>IDP4000V R</b>	XNET.A1-1.1.9.1104	MPEG4 M-JPEG H.264	1	640x480	One-way	0/0	No	No	Yes	
<b>IDP4030V R</b>		MPEG4 M-JPEG H.264	1	1280x960	One-way	0/0	No	No	Yes	Supported by design
<b>IGP1000</b>		MPEG4 M-JPEG H.264	1	640x480	One-way	0/0	Yes	No	Yes	Supported by design
<b>IGP1030</b>	XNET.A1-1.1.9.1104	MPEG4 M-JPEG H.264	1	1280x960	One-way	0/0	Yes	No	Yes	
<b>IJB2000</b>		MPEG4 M-JPEG H.264	1	704x576	One-way	0/0	Yes	No	Yes	Supported by design
<b>INS2000</b>	XNET.A1-1.1.9.1104	MPEG4 M-JPEG H.264	1	704x576	One-way	0/0	Yes	No	Yes	
<b>IPM3063N</b>		MPEG4 M-JPEG H.264	1	704x480	One-way	0/0	Yes	No	Yes	Supported by design
<b>IPM3063P</b>		MPEG4 M-JPEG H.264	1	704x576	One-way	0/0	Yes	No	Yes	Supported by design
<b>ISM1063 N</b>		MPEG4 M-JPEG H.264	1	704x480	One-way	0/0	Yes	No	Yes	Supported by design
<b>ISM1063 P</b>		MPEG4 M-JPEG H.264	1	704x576	One-way	0/0	Yes	No	Yes	Supported by design
<b>ISS2765N W</b>		MPEG4 M-JPEG H.264	1	704x480	One-way	0/0	Yes	No	Yes	Supported by design
<b>ISS2765P W</b>		MPEG4 M-JPEG H.264	1	704x576	One-way	0/0	Yes	No	Yes	Supported by design
<b>IVP4000V R</b>	XNET.A1-1.1.9.1028	MPEG4 M-JPEG H.264	1	640x480	One-way	0/0	No	No	Yes	
<b>IVP4030V R</b>		MPEG4 M-JPEG H.264	1	1280x960	One-way	0/0	No	No	Yes	Supported by design
<b>HIKVISION</b>										
										
Device	Tested	Video	Video	Max	Audio	I/O	PTZ	On-Edge	UPnP	Remarks

# NVRmini Release Note



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Name	Firmware	Format	Channels	Resolution		Channels	Support	Motion		
DS-2CD70 2NF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD70 2PF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD71 2NF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD71 2PF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD73 2F-E	20100209	H.264	1	704x576	One-way	1/1	Yes	No	Yes	
DS-2CD75 2MF-E		H.264	1	1600x1200	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD75 2MF-FB	20100209	H.264	1	1600x1200	One-way	1/1	Yes	No	Yes	
DS-2CD76 2MF-FB	20100209	H.264	1	1280x960	One-way	1/1	Yes	No	Yes	
DS-2CD79 2NF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD79 2PF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2NF		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2NF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2NF-W		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2PF		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2PF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2PF-W		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2N-IR1		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2N-IR3		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2N-IR5		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2P-IR1		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2P-IR3		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD80 2P-IR5		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2NF		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2NF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2NF-W		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2PF		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2PF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2PF-W		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2N-IR1		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2N-IR3		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2N-IR5		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2P-IR1		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD81 2P-IR3		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design

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DS-2CD81 2P-IR5		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD83 2F		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD83 2F-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD85 2MF-E	20100209	H.264	1	1600x1200	One-way	1/1	Yes	No	Yes	
DS-2CD86 2MF-E		H.264	1	1280x960	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2NF		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2NF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2NF-W		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2PF		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2PF-E		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2PF-W		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2N-IR1		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2N-IR3		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2N-IR5		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2P-IR1		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2P-IR3		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design
DS-2CD89 2P-IR5		H.264	1	704x576	One-way	1/1	Yes	No	Yes	Supported by design

Note: PTZ is only supported by external RS-485 device.

## Robotix



Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remark
D24-Basic		M-JPEG MxPEG	1	640x480	One-way	0/0	No	Yes	No	Supported by design
D24-IT		M-JPEG MxPEG	1	640x480	One-way	0/0	No	Yes	No	Supported by design
D24-Sec	MX-V4.0.1.15 (2009-07-20)	M-JPEG MxPEG	1	2048x1536	One-way	0/0	No	Yes	No	

## Panasonic




Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remarks
BL-C101	3.52R00	MPEG4 M-JPEG	1	640x480	One-way	1/0	No	Yes	Yes	
BL-C121	3.52R00	MPEG4 M-JPEG	1	640x480	One-way	1/1	No	Yes	Yes	
BL-C160	3.51R01	MPEG4 M-JPEG	1	640x480	No	0/0	No	Yes	Yes	


## Samsung




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Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remarks
<b>SNC-B233 1</b>	SNC-B2331 P_v1.00_09 0810	MPEG4 M-JPEG H.264	1	720x576	No	2/2	No	Yes	No	
<b>SNC-B233 5</b>	SNC-B2335 P_v1.10_10 0129	MPEG4 M-JPEG H.264	1	720x576	One-way	2/2	No	Yes	No	
<b>SNC-B536 8</b>	SNC-B5368 P_v1.00_09 1001	MPEG4 M-JPEG H.264	1	720x576	No	2/2	No	Yes	No	
<b>SNC-B539 9</b>	SNC-B5399 P_v1.10_09 1120	MPEG4 M-JPEG H.264	1	720x576	One-way	2/2	No	Yes	No	

										
Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remarks
<b>SNC-390D N/W</b>	1.0.1.5	MPEG4 M-JPEG	1	720x576	One-way	1/1	Yes	Yes	No	Tested by manufacturer
Note: PTZ is only supported by external RS-485 device.										
<b>SNC-5211R /W</b>	1.0.1.5	MPEG4 M-JPEG	1	720x576	One-way	1/1	No	Yes	No	Tested by manufacturer
<b>SNC-5651R /W</b>	1.0.1.5	MPEG4 M-JPEG	1	720x576	One-way	1/1	No	Yes	No	Tested by manufacturer
<b>SNC-620/W</b>	1.0.1.5	MPEG4 M-JPEG	1	720x576	One-way	1/1	No	Yes	No	Tested by manufacturer
<b>SNC-670I D/W</b>	1.0.1.5	MPEG4 M-JPEG	1	720x576	One-way	1/1	Yes	Yes	No	Tested by manufacturer

										
Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remarks
<b>SD130B</b>		M-JPEG	1	1296x960	No	0/0	No	Yes	No	Supported by design
<b>SD130BN</b>		M-JPEG	1	1296x960	No	0/0	No	Yes	No	Supported by design
<b>SD130V</b>	NetCamSC 1.1.63	M-JPEG	1	1296x960	No	0/0	No	Yes	No	
<b>SD130VN</b>		M-JPEG	1	2048x1536	No	0/0	No	Yes	No	Supported by design
<b>SD300B</b>		M-JPEG	1	2048x1536	No	0/0	No	Yes	No	Supported by design
<b>SD300V</b>		M-JPEG	1	2048x1536	No	0/0	No	Yes	No	Supported by design
<b>SD500B</b>		M-JPEG	1	2595x1944	No	0/0	No	Yes	No	Supported by design
<b>SD500BN</b>	NetCamSC 1.1.63	M-JPEG	1	2595x1944	No	0/0	No	Yes	No	
<b>SD500V</b>		M-JPEG	1	2595x1944	No	0/0	No	Yes	No	Supported by design
<b>SD500VN</b>		M-JPEG	1	2595x1944	No	0/0	No	Yes	No	Supported

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				4							by design
<b>SDEXP2</b>	ExpressXL 1.1.61	M-JPEG	2	704x480	No	0/0	No	No	No	No	

Note: Camera doesn't support adjust framerate.

<b>SDEXP4</b>	ExpressXL 1.1.63	M-JPEG	4	704x480	No	0/0	No	No	No	No	
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Note: Camera doesn't support adjust framerate.

## Vivotek



Device Name	Tested Firmware	Video Format	Video Channels	Max Resolution	Audio	I/O Channels	PTZ Support	On-Edge Motion	UPnP	Remarks
<b>FD7160</b>		MPEG4 M-JPEG	1	1600x1200	No	0/0	No	Yes	Yes	Supported by design
<b>IP7153</b>		MPEG4 M-JPEG	1	640x480	One-way	1/1	No	Yes	Yes	Supported by design
<b>IP7361</b>		MPEG4 M-JPEG	1	1600x1200	One-way	1/1	No	Yes	Yes	Supported by design
<b>IP8161</b>	IP8161-VVT K-0100K	MPEG4 M-JPEG H.264	1	1600x1200	One-way	1/1	Yes	Yes	Yes	
<b>PZ71x2</b>		MPEG4 M-JPEG	1	704x576	One-way	1/1	Yes	Yes	Yes	Supported by design
<b>VS8102</b>		MPEG4 M-JPEG H.264	1	1600x1200	One-way	1/1	No	Yes	Yes	Supported by design