Release Notes

Digital Sentry IP Camera Compatibility

Digital Sentry® digital video management systems (DVMS) support certain IP camera and encoder models. The models listed in this document can be used with Digital Sentry IP camera driver version 7.1 and later. Refer to each table for information about the hardware and software features validated for use on a Digital Sentry system. General limitations, special instructions, and model-specific information are listed at the beginning of some tables. Since it is impossible to validate against every IP camera and encoder, the compatibility charts indicate which specific models have been validated and which are supported by design. Those supported by design are based on statements of API compatibility made by the respective manufacturers. For information about the general usage of each camera or encoder, refer to the manufacturer's documentation.

For additional information on Digital Sentry (including a list of compatible cameras, related documentation, product specifications, software downloads, and so forth), visit the Pelco Web site at *www.pelco.com*.

For technical issues, contact Pelco Product Support at 1-800-289-9100 (USA and Canada) or +1-559-292-1981 (international).

ACTi IP® Cameras

General Camera Notes

- Frame rate and quality settings are based on bit rate and might not exactly match the settings entered in DS Admin.
- When security is enabled on ACTi IP cameras, the DS Admin user name and password credentials are used by the IP driver for authentication.

ACTi *(1 of 2)*

Camera/Encoder Model Number	Camera/Encoder Description	Compression Formats Supported	Motion Detection	PTZ	Validation Scheme
ACD-2100	Video Server (1 channel)	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACD-2200	Video Server (4 channel)	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACD-2300	Video Server (8 channel)	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated
ACD-2400	Video Server (16 channel)	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACD-2000Q	Quad Video Server	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACM-1101, ACM-3311N	Phased Out	MPEG-4, MPEG-4	Server-Based, In-Camera	N/A	Validated
ACM-1231, ACM-1431, ACM1511	IP Bullet Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACM-3001, ACM-3011, ACM-3401, ACM-3411, ACM-3511, ACM-3601, ACM-3701, ACM-7411, ACM-7511	IP Dome Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACM-4001,	IP Cube Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated
ACM-4201	IP Cube Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACM-5001, ACM-5611	IP Box Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACM-5601	IP Box Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated
ACM-5711	Phased Out	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACM-8201	Phased Out	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACM-8211	Phased Out	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
ACM-8511	PTZ Camera	MJPEG, MPEG-4	Server-Based, In-Camera	Yes	By Design
CAM-5201, CAM-5221, CAM5321, CAM-7300	Phased Out	MPEG-4	Server-Based	N/A	By Design
CAM-5301	Phased Out	MPEG-4	Server-Based	N/A	Validated

ACTi *(2 of 2)*

Camera/Encoder Model Number	Camera/Encoder Description	Compression Formats Supported	Motion Detection	PTZ	Validation Scheme
CAM-5201, CAM-5221, CAM-5321, CAM-7300	Phased Out	MPEG-4	Server-Based	N/A	By Design
CAM-6610, CAM-6630	IP Speed Dome Camera	MPEG-4	Server-Based	N/A	By Design
CAM-6620	Phased Out	MPEG-4	Server-Based, In-Camera	Yes (Pelco D protocol)	Validated
SED-2120, SED-2420 SED-2610	Phased Out	MPEG-4	Server-Based	N/A	Validated
SED-2140, SED-2400, SED-2410, SED-2500, SED-2600, SED-2620, SED-2630, SED23100	Phased Out	MPEG-4	Server-Based	N/A	By Design
TCD-2100, TCD-2500	Video Server (1 channel)	MJPEG, MPEG-4, H.264	Server-Based	N/A	Validated
TCM-4301	IP Cube Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	Validated
TCM-1231, TCM-1511	IP Bullet Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	By Design
TCM-1232, TCM5312	Phased Out	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	By Design
TCM-4001, TCM-4201	IP Cube Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	By Design
TCM-3001, TCM-3011, TCM-3401, TCM-3411, TCM-3511, TCM-7411, TCM-7811	IP Dome Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	By Design
TCM-5001, TCM-5311, TCM-5601, TCM-5611,	IP Box Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	By Design

Arecont Vision® IP Cameras

General Camera Notes

- Frame rates are rounded to the next valid value listed in the tables. For example, if the requested frame rate is 7.5 frames per second (fps), the camera provides 8 fps.
- The frame rate requested might not match specifications in the camera manufacturer's documentation.
- Camera resolutions configured in DS Admin must match resolutions supported in this document.
- Always stop the Digital Sentry VideoServer service before running the Arecont Vision AV Manager application. After the AV Manager configuration is complete, change the AV Manager server startup type to Disabled (LMSrv), and then restart the VideoServer service.
- Digital Sentry cannot function properly while any Arecont Vision application is active on the same system. Check the system tray to verify that Arecont Vision applications are not active.
- Using server-based motion detection decreases Digital Sentry performance because of increased CPU usage, especially at higher resolutions. It is recommended that in-camera motion detection be used at higher resolutions.
- Frame rates could be reduced as resolution and quality settings are increased.
- Arecont Vision IP cameras cannot be dual-homed; that is, they cannot be streamed to two Digital Sentry systems or applications simultaneously.
- To provide a stable camera environment, make sure local or Power over Ethernet (PoE) power meets or exceeds the requirement of the camera used.
- For optimal performance, do not use the Digital Sentry client software on the Digital Sentry system to view video from Arecont Vision cameras, except for configuration purposes. Some servers do not meet the minimum requirements to run the client software in this manner.
- A single Arecont Vision driver in DS Admin controls all supported Arecont Vision cameras.
- The Arecont IP cameras are fixed and do not support pan/tilt/zoom (PTZ).

Specific Camera Notes

AV1300 and AV2100: In-camera motion detection on these cameras is less sensitive at lower resolutions. It is recommended that server-based motion detection be used at lower resolutions with this camera.

AV1355: When security is enabled on the camera, the DS Admin user name/password credentials are used by the IP driver for authentication.

AV3100, AV3130, and 5100:

- To capture images larger than 2 Megapixels (MPx), you must install Digital Sentry IP camera driver 4.2 or later, or install Megapixel Support for DS Server/VAU 4.1. To obtain copies of all necessary software versions, go to *www.pelco.com*.
- To view images larger than 2 MPx, you must install DS ControlPoint 4.2 or later, or install Megapixel Support for DS Client/Admin 4.1. To obtain copies of all necessary software versions, go to *www.pelco.com*.
- Short communication delays (2 to 3 minutes) could occur when you use Digital Sentry to change the configuration of AV3100, AV3130, and AV5100. The number and frequency of delays can be decreased by combining multiple configuration changes into as few groups as possible.

AV3100: In-camera motion detection on an AV3100 is less sensitive at lower resolutions. It is recommended that server-based motion detection be used at lower resolutions with this camera.

AV3135:

- AV3135 can be used with Digital Sentry IP camera driver 7.0.71.
- When security is enabled on the camera, the DS Admin user name and password credentials are used by the IP driver for authentication.

AV5100: In-camera motion detection will be supported on the AV5100 in a later release.

AV8180 and AV8360:

- The frame rate and quality for all four camera sensors (heads) must be set to the same value.
- AV8180 and AV8360 do not have a configuration Web page.
- AV8180 and AV8360 support in-camera motion detection in version 7.0.71 and later. Using server-based motion detection at 1600 x 1200 resolution can significantly reduce the performance of the Digital Sentry system. To use server-based motion detection, it is recommended that you select 800 x 600 resolution.
- AV8180 camera input numbers are not in the same order as their physical locations on the camera.

AV8180, AV8185, AV8360, and AV8365: Only the maximum frame rate is supported on these cameras.

AV10005: When security is enabled on this camera, the DS Admin user name/password credentials are used by the IP driver for authentication.

Arecont

Camera Model Number	Camera Description	Compression Formats Supported	Motion	PTZ	Validation Scheme
AV1300	IP 1.3 MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
AV1310	IP 1.3 MPx Compact Camera	MJPEG	Server-Based, In-Camera	N/A	By Design
AV1355	IP 1.3 MPx Dome Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
AV2100	IP 2 MPx Fixed Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
AV2105	IP 2 MPx Fixed Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
AV2110	IP 2 MPx Compact Fixed Camera	MJPEG	Server-Based, In-Camera	N/A	By Design
AV2155	IP 2 MPx MegaDome Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	By Design
AV3100	IP 3 MPx Fixed Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
AV3110	IP 3 MPx Compact Camera	MJPEG	Server-Based	N/A	By Design
AV3130	IP 3/1.3 MPx Day/Night Fixed Camera	MJPEG	Server-Based	N/A	Validated
AV3135	IP 3/1.3 MPx Day/Night Fixed Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
AV3155	IP 3 MPx MegaDome Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	By Design
AV5100	IP 5 MPx Fixed Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
AV5105	IP 5 MPx Fixed Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
AV5110	IP 5 MPx Compact Camera	MJPEG	Server-Based	N/A	By Design
AV5155	IP 5 MPx MegaDome Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	By Design
AV8180	IP 8 MPx Panoramic Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
AV8185	IP 8 MPx Panoramic Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
AV8360	IP 8 MPx Panoramic Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
AV8365	IP 8 MPx Panoramic Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
AV10005	IP 10 MPx Fixed Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated

Axis® Communications IP Cameras

General Camera Notes

- A single Axis driver in DS Admin controls all supported Axis IP cameras.
- When security is enabled on Axis IP cameras, the DS Admin user name and password credentials are used by the IP driver for authentication.

Specific Camera Notes

Axis 223M:

- Camera quality settings in DS Admin are not supported when using MPEG-4 compression on the Axis 223M IP camera.
- Complex video scenes at high quality settings are not supported at 1600 x 1200 resolution when using Axis 223M IP cameras on Digital Sentry systems.

Axis *(1 of 2)*

Camera Model Number	Camera Description	Compression Formats Supported	Motion	PTZ	Validation Scheme
206, 207, 207W	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
207MW	IP Wireless MPx Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated
209FD, 209MFD	IP Fixed Dome Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
210, 210A, 211, 211A, 221	IP Indoor/Outdoor Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated
211M, 211W	IP Fixed Indoor/Outdoor Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
212 PTZ	IP PTZ Camera	MJPEG, MPEG-4	Server-Based, In-Camera	Yes (solid state)	Validated
213 PTZ, 214 PTZ, 231D+, 232D+	IP PTZ Camera	MJPEG, MPEG-4	Server-Based, In-Camera	Yes	Validated
216FD	IP Fixed Dome Camera	MJPEG, MPEG-4	Server-Based	N/A	Validated
223M	IP MPx Day/Night Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated
225FD	Phased Out	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated

Axis *(2 of 2)*

Camera Model Number	Camera Description	Compression Formats Supported	Motion	PTZ	Validation Scheme
233D	IP PTZ Dome Camera	MJPEG, MPEG-4	Server-Based, In-Camera	Yes	Validated
240Q, 247S	4-Channel Video Server, Single-Channel Video Server	MJPEG, MPEG-4	Server-Based, In-Camera	Yes	By Design
241S, 241S Blade, 243SA	Single-Channel Video Server	MJPEG, MPEG-4	Server-Based, In-Camera	Yes	Validated
241Q, 241Q Blade, 241QA	4-Channel Video Server	MJPEG, MPEG-4	Server-Based, In-Camera	Yes	Validated
M1011, M1011-W, M1031	IP Network Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	By Design
M3011	IP Fixed Dome Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	Validated
M3014	IP 1 MPx Fixed Dome Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	By Design
P5534	IP PTZ Dome Camera	MJPEG, H.264	Server-Based, In-Camera	Yes	Validated
M7001 (Video Encoder)	Single-Channel Video Encoder	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
Q7401 (Video Encoder)	Single-Channel Video Encoder	MJPEG, H.264	Server-Based, In-Camera	N/A	By Design
Q7404 (Video Encoder)	Four-Channel Video Encoder	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
Q7406 (Video Encoder)	Six-Channel Video Encoder Blade	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated

Bosch Security Systems® IP Cameras

Camera Model Number	Camera Description	Compression Formats Supported	Supported Motion Detection	PTZ	Validation Scheme
Dinion NWC-0495-20P	Day/Night IP Camera	MJPEG, MPEG-4/H.264	Server-Based	N/A	Validated

Canon® IP Cameras

General Notes

- To view live video on the camera's Web page, you must install Java™. Visit the Java Web site at *www.java.com*, click the Free Java Download, and run the installer. (*Do not select the installation in the Google™ toolbar.*) When the installation is complete, refresh the live view on the Web page.
- Quality settings in DS Admin do not work with this camera.
- Presets and iris functionality will be supported by Digital Sentry in a future release.

Canon

Camera Model Number	Camera Description	Compression Formats Supported	Motion	PTZ	Validation Scheme
VB-C300	IP Wide-Angle PTZ Camera	MJPEG	Server-Based	Yes	Validated
VB-C50iR	IP PTZ Camera	MJPEG	Server-Based	Yes	Validated

Grandeye® IP Cameras

- Inputs 5 to 8 are 180-degree, 360-degree, and fisheye modes. For these inputs, PTZ control is not available and image dewarping is not currently supported by Digital Sentry or DS ControlPoint.
- It is recommended that you configure the same quality setting for all cameras on inputs 1 to 7. The selection of a quality setting for one camera could be affected by the quality settings on other cameras.
- Grandeye Halocam® IPW does not allow frame rate settings. The camera streams video at the frame rates listed in the table.
- Frame rate and quality settings are based on bit rate and might not match the settings entered in DS Admin.
- To enable the Grandeye Web interface, complete the following steps:
  1. From Microsoft® Internet Explorer®, open the Tools menu, and then select Internet Options.
  2. Select the Security tab and click Trusted Sites.
  3. Click Default Level and move the slider bar to Low.
  4. Click Sites, and then clear the selection "Require Server Verification https: For All Sites in this Zone."
  5. Enter the IP address of the GrandEye camera in the "Add this Website to the Zone box," and then click Add.
  6. Click Close, and then click OK.
- To capture images larger than 2 MPx, you must install Digital Sentry IP camera driver 4.2 or later, or install Megapixel Support for DS Server/VAU 4.1. To obtain copies of all necessary software versions, refer to *www.pelco.com*.
- To view images larger than 2 MPx, you must install DS ControlPoint 4.2 or later, or install Megapixel Support for DS Client/Admin 4.1. To obtain copies of all necessary software versions, refer to *www.pelco.com*.

Camera Model Number	Camera Description	Compression Format Supported	Motion	PTZ	Validation Scheme
Halocam® IPW	IP 5 MPx PTZ Camera	MJPEG	Server-Based	Yes (10 presets)	Validated

Hikvision® IP Cameras

Camera Model Number	Camera Description	Compression Format Supported	Motion	PTZ	Validation Scheme
DS-2CD752MF-FB	IP 2 MPx Dome PTZ Camera	MPEG-4, H.264	Server-Based, In-Camera	Yes	Validated

ImpathNetworks® Encoder

When security is enabled on the VSG5000 encoder, the DS Admin user name and password credentials are used by the IP driver for authentication.

ImpathNetworks Encoder

Camera Model Number	Camera Description	Compression Format Supported	Motion	PTZ	Validation Scheme
VSG5000 Encoder	Multi-protocol Encoder	MJPEG, MPEG-4, H.264	Server-Based	Yes	Validated

Ipix® IP Cameras

Camera Model Number	Camera Description	Compression Format Supported	Motion	PTZ	Validation Scheme
CommandView® Dome CV-D2000	2.0 MPx PTZ IP Camera	MJPEG	Server-Based, In-Camera	Yes (solid state)	Validated
Command View Dome CV-D3000	3.0 MPx PTZ IP Camera	MJPEG	Server-Based, In-Camera	Yes (solid state)	Validated
InSight™ IS-N2000	2.0 MPx Fixed IP Camera	MJPEG	Server-Based, In-Camera	N/A	Validated

IQinVision® IP Cameras

General Camera Notes

- When IQinVision IP cameras are configured to capture video at high resolutions, set the video quality in DS Admin to a value above 25. At lower quality settings, high resolution video images could be lost or corrupted.
- Before using In-Camera Motion Detection on IQinVision cameras, you must create at least one motion window and enable the motion trigger.
  1. To create a motion window:
     a. Run the IQinVision Web interface.
     b. Select Motion from the Window menu.
  2. To enable the motion trigger:
     a. Select the Trigger tab in the Web interface.
     b. Select Enabled from the Motion drop-down list.
- Do not use the IQinVision configuration software to crop images unless the resulting resolution exactly matches the resolution configured for the camera in DS Admin. Failure to do so could cause instability in the Digital Sentry software.
- It is recommended that you do not transmit video from IQinVision IP cameras to the Digital Sentry server over a wide area network (WAN), which can cause video instability.
- The requested frame rate might not match specifications in the camera manufacturer's documentation.
- To capture images larger than 2 MPx, you must install Digital Sentry IP camera driver 4.2 or later, or install Megapixel Support for DS Server/VAU 4.1.
- To view images larger than 2 MPx, you must install DS ControlPoint 4.2 or later, or install Megapixel Support for DS Client/Admin 4.1. To obtain copies of all necessary software versions, refer to www.pelco.com.

IQinVision *(1 of 2)*

Camera Model Number	Camera Description	Compression Formats Supported	Motion	PTZ Support	Validation Scheme
IQ301	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ302	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ303	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ501	IP MPx Camera	MJPEG	Server-Based, n-Camera	N/A	Validated

IQinVision *(2 of 2)*

Camera Model Number	Camera Description	Compression Formats Supported	Motion	PTZ Support	Validation Scheme
IQ510	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ511	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ701	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ702	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ703	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ705	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ752	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ753	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQ755	IP MPx Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
IQA20S	IP MPx Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	By Design
IQA21S	IP MPx Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
IQA22S	IP MPx Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	By Design
IQA23S	IP MPx Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	By Design
I QA25S	IP MPx Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	By Design

JVC® IP Cameras

Specific Camera Notes

VN-C655U: For faster tilt functionality, it is recommended that you use the camera's Web interface.

JVC

Camera Model Number	Camera Description	Compression Formats Supported	Motion	PTZ	Validation Scheme
VN-C655U	IP PTZ Dome Camera	MJPEG	Server-Based, In-Camera	Yes (99 presets)	Validated
VN-V25U	IP Fixed Day/Night Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
VN-C215V4U	IP Fixed Mini-Dome Camera	MJPEG	Server-Based, In-Camera	N/A	Validated

NetBotz® IP Cameras

General Camera Notes

- Security settings prevent the NetBotz Advanced View software from being started directly from DS Admin. You must install and run Advanced View as a stand-alone application separate from DS Admin.
- NetBotz camera and image quality cannot be configured in DS Admin. It must be configured in the NetBotz Advanced View software as follows:
  1. Click the Configuration icon.
  2. Click the Capture button.
  3. Select the quality setting from the Image Quality drop-down list.
- In the NetBotz Advanced View software, camera labels must use the format DSCamera#x, where x is the Digital Sentry camera input. For example, the camera connected to Digital Sentry camera input 8 must have a camera label of DSCamera#8; however, in the Digital Sentry software, the camera can be named as desired.
- To view and record video on a Digital Sentry system, a user with a Privilege Set other than None must be created in the NetBotz Advanced View software. The NetBotz user name and password must be used when configuring the NetBotz cameras in the DS Admin software.

- Only users who are assigned the Administrator privilege set in the NetBotz Advanced View software can change camera settings such as contrast, quality, and motion detection.
- The requested frame rate might not match specifications in the camera manufacturer's documentation.

Specific Camera Notes

NetBotz 320 or NetBotz420: If more than one of these cameras is connected to a Digital Sentry video acquisition unit (VAU), use server-based motion detection instead of in-camera motion detection.

NetBotz

Camera Model Number	Camera Description	Compression Format Supported	Motion	PTZ	Validation Scheme
320, 420	IP Fixed Camera	MJPEG	Server-Based, In-Camera	N/A	Validated
500	Monitoring and Management	MJPEG	Server-Based, In-Camera	N/A	Validated

Panasonic® IP Cameras

General Camera Notes

- If the frame rate is set to a value greater than the maximum value for a camera, the frame rate defaults to the maximum value.
- Frame rates are rounded up to the next value listed in the tables. For example, if the requested frame rate is 8 frames per second (fps), the camera provides 10 fps.
- Because of a limitation regarding the number of users viewing feeds from the camera, the frame rate requested might not match what the camera can supply at that time. The camera automatically logs off users who are not actively using the feeds, which increases the total throughput for remaining users.
- Frame rates could be reduced as quality settings are increased.
- All camera-specific Panasonic drivers have been replaced by a single Panasonic i-Pro driver in DS Admin.
- To capture images larger than 2 MPx, you must install Digital Sentry IP camera driver 7.0.71 or later and Megapixel Support for DS Server/VAU 4.1.
- To view images larger than 2 MPx, you must install Megapixel Support for DS Client/Admin 4.1 and DS ControlPoint 7.0.71 or later.

Specific Camera Notes:

- **BB-HCM715A:**
  - When switching between MPEG-4 and H.264, the camera may take up to 5 minutes to respond as the camera must be restarted. It is recommended that you change the video format through a Web application and then wait until the camera restarts before attempting to activate video in DS Admin.
  - Resolutions depend on the current maximum image size setting of the camera.

- **WV-NP1004:** When changing from partial- to full-scan mode using different resolutions, this camera might not display video for up to 4 minutes.
- **WV-NS202, WS-NS202A, and WV-NS324:** Digital Sentry systems support a maximum of 10 PTZ presets for these cameras.
- **WV-NS202, WS-NS202A and WV-NS484:** When changing the camera configuration, the Digital Sentry VideoServer Service might restart, which will interrupt video recording for several minutes.
- **WV-NS324, WV-NS472 and WV-NS474S:** Before changing the resolution on these cameras, close the Digital Sentry client software. The Digital Sentry system will not record video for up to 4 minutes.
- **WV-NS954:** When using this camera, select the Panasonic iPro driver in DS Admin.
- **WV-SP305 and WV-SP306:** When security is enabled on the camera, the DS Admin user name and password credentials are used by the IP driver for authentication.

Panasonic *(1 of 2)*

Camera Model Number	Camera Description	Compression Format Supported	Motion	PTZ	Validation Scheme
BB-HCM715A	IP MPx Indoor Network Camera	MJPEG, MPEG-4, H.264	Server-Based	Yes	Validated
WV-NF284	IP Fixed Dome Camera	MJPEG, MPEG-4	Server-Based	N/A	By Design
WV-NF302	IP MPx Day/Night Fixed Dome Camera	MJPEG, MPEG-4	Server-Based	N/A	Validated
WV-NF304	IP MPx Day/Night Network Camera	MJPEG, MPEG-4	Server-Based	N/A	By Design
WV-NP240	IP Fixed Network Camera	MJPEG, MPEG-4	Server-Based	N/A	By Design
WV-NP244	IP Fixed Network Camera	MJPEG, MPEG-4	Server-Based	N/A	Validated
WV-NP304	IP MPx Day/Night Network Camera	MJPEG, MPEG-4	Server-Based	N/A	Validated
WV-NP502	IP 3 MPx Fixed Network Camera	MJPEG, MPEG-4, H.264	Server-Based	N/A	Validated

Panasonic *(2 of 2)*

Camera Model Number	Camera Description	Compression Format Supported	Motion	PTZ	Validation Scheme
WV-NW502S	IP 3 MPx Fixed Dome Network Camera	MJPEG, MPEG-4, H.264	Server-Based	N/A	Validated
WV-NP1004	IP MPx Fixed Network Cameras	MJPEG	Server-Based	N/A	Validated
WV-NS202 WV-NS202A	IP Network PTZ Dome Camera	MJPEG, MPEG-4	Server-Based	Yes (64 presets)	Validated
WV-NS324	IP Network PTZ Dome Camera	MJPEG	Server-Based	Yes (16 presets)	Validated
WV-NS472	IP Day/Night Fixed Network Camera	MJPEG	Server-Based	N/A	Validated
WV-NS474S	IP Network PTZ Dome Camera	MJPEG	Server-Based	Yes (presets N/A)	Validated
WV-NS484	IP Camera	MJPEG, MPEG-4	Server-Based	Yes (presets N/A)	Validated
WV-NS954	Day/Night PTZ Network IP Camera	MJPEG, MPEG-4	Server-Based, In-Camera	Yes (presets N/A)	Validated
WV-NW484S,	IP Day/Night Fixed Dome Camera	MJPEG, MPEG-4, H.264	Server-Based	N/A	By Design
WV-NW964	IP Day/Night Color PTZ Camera	MJPEG, MPEG-4	Server-Based	Yes	By Design
WV-SP305	IP MPx Color Fixed Camera	MJPEG, MPEG-4, H.264	Server-Based	N/A	Validated
WV-SP306	IP MPx Color Fixed Camera	MJPEG, MPEG-4, H.264	Server-Based	N/A	Validated

Pelco IP Cameras

Pelco *(1 of 2)*

Camera/Encoder Model Number	Camera/Encoder Description	Compression Formats Supported	Motion	PTZ	Validation Scheme
ID10 Series Network Cameras with Sarix™ Technology	IP 1.3 MPx HD Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
ID30 Series Network Cameras with Sarix Technology	IP 3.1 MPx HD Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
IDS0 Series Network Cameras with Sarix Technology	IP 0.5 MPx Indoor Fixed Dome Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	Validated
IDE20 Series Extended Platform Network Cameras with Sarix Technology	IP 2.1 MPx HD Indoor Fixed Dome Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
IE10 Series Network Cameras with Sarix Technology	IP 1.3 MPx Indoor/Outdoor HD Digital Fixed Dome Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
IE30 Series Network Cameras with Sarix Technology	IP 3.1 MPx Indoor/Outdoor HD Digital Fixed Dome Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
IES0 Series Network Cameras with Sarix Technology	IP 0.5 MPx Indoor/Outdoor Digital Fixed Dome Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	Validated
IEE10 Series Extended Platform Network Cameras with Sarix Technology	IP 1.3 MPx Indoor/Outdoor HD Fixed Dome Camera	MJPEG. H.264	Server-Based, In-Camera	N/A	Validated
IEE20 Series Extended Platform Network Cameras with Sarix Technology	IP 2.1 MPx Indoor/Outdoor Fixed Dome Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
IM10 Series Network Cameras with Sarix Technology	IP 1.3 MPx HD Mini Indoor Fixed Dome Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
IMS0 Series Network Cameras with Sarix Technology	IP 0.5 MPx Mini Indoor Fixed Dome Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	Validated
IP110 Series Camclosure	IP Indoor/Outdoor Fixed Mini-Dome Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated
IP3701	CameraPak	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated
IX10 Series Network Cameras with Sarix Technology	IP 1.3 MPx HD Digital Network Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
IX30 Series Network Cameras with Sarix Technology	IP 3.1 MPx HD Digital Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated

Pelco *(2 of 2)*

Camera/Encoder Model Number	Camera/Encoder Description	Compression Formats Supported	Motion	PTZ	Validation Scheme
IXE20 Series Extended Platform Network Cameras with Sarix Technology	IP 2.1 MPx HD Digital Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
IXS0 Series Network Cameras with Sarix Technology	IP 0.5 MPx Digital Camera	MJPEG, H.264	Server-Based, In-Camera	N/A	Validated
Spectra® IV IP	IP Integrated PTZ Dome System	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	Yes (up to 255 pre sets)	Validated
Spectra Mini IP	IP Integrated PTZ Mini-Dome System Camera	MPEG-4	Server-Based, In-Camera	Yes (up to 55 pres ets)	Validated
Spectra IV HD	IP HD Dome Position System Camera	MJPEG, H.264	Server-Based, In-Camera	Yes	Validated
NET5301T (Encoder)	Dual-Stream Encoder	MPEG-4	Server-Based	Yes	Validated
NET5308T (Encoder)	Dual-Stream Encoder 8 to 16 Inputs	MPEG-4	Server-Based	Yes	Validated
NET5401T	Encoder	MJPEG, H.264	Server-Based, In-Camera	Yes	Validated
NET5402T (Encoder)	Dual-Stream Encoder	MJPEG, H.264	Server-Based, In Camera	Yes	Validated
NET5404T (Encoder)	Dual-Stream Encoder	MJPEG, H.264	Server-Based	Yes	Validated

PelcoNet Encoder

Encoder Model Number	Encoder Description	Compression Format Supported	Supported Motion Detection	PTZ	Validation Scheme
NET350	Video Encoder	MJPEG	Server-Based	N/A	Validated

Sony® IP Cameras and Encoders

General Camera and Encoder Notes

- Unless otherwise noted, only the NTSC versions of these cameras are currently supported.
- The frame rate requested might not match specifications in the camera manufacturer's documentation.
- A single Sony driver in DS Admin controls all supported Sony cameras.

Specific Camera Notes

- **SNT-EP104, SNT-EX104, and SNT-EX154:** When security is enabled on these cameras, the DS Admin user name and password credentials are used by the IP driver for authentication.

Sony *(1 of 2)*

Camera/Encoder Model Number	Camera/Encoder Description	Compression Format Supported	Motion	PTZ	Validation Scheme
SNC-CS3	IP Fixed Color Camera	MJPEG	Server-Based	N/A	Validated
SNC-CM120	IP Fixed Day/Night Color Camera	MJPEG, MPEG-4	Server-Based	N/A	By Design
SNC-CS10	IP Fixed Color Camera	MJPEG, MPEG-4	Server-Based	N/A	By Design
SNC-CS11	IP Fixed Camera	MJPEG, MPEG-4	Server-Based	N/A	Validated
SNC-CS20	IP Day/Night Fixed Camera	MJPEG, MPEG-4	Server-Based	N/A	By Design
SNC-CS50	IP Fixed Color Camera	MJPEG, MPEG-4	Server-Based	N/A	Validated
SNC-DF40	IP Minidome Camera	MJPEG	Server-Based	N/A	Validated
SNC-DF50	IP Minidome Camera	MJPEG	Server-Based	N/A	By Design
SNC-DF70	IP Minidome Camera	MJPEG	Server-Based	N/A	Validated
SNC-DF80N	IP Day/Night Minidome Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	Validated
SNC-DF85N	IP Day/Night Minidome Camera	MJPEG, MPEG-4, H.264	Server-Based, In-Camera	N/A	By Design
SNC-DS10	IP Minidome Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated
SNC-DS60	IP Day/Night Minidome Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	By Design
SNC-P1	IP Network Fixed Camera	MJPEG	Server-Based	N/A	Validated
SNCP5	IP Network Color Camera	MJPEG	Server-Based	N/A	Validated

Sony *(2 of 2)*

Camera/Encoder Model Number	Camera/Encoder Description	Compression Format Supported	Motion	PTZ	Validation Scheme
SNC-RX530	IP Day/Night PTZ Camera	MJPEG, MPEG-4	Server-Based	Yes (16 presets)	By Design
SNC-RX550	IP Color PTZ Camera	MJPEG, MPEG-4	Server-Based	Yes (16 presets)	Validated
SNC-RX570	IP Day/Night PTZ Camera	MJPEG, MPEG-4	Server-Based	Yes (16 presets)	By Design
SNC-RZ20	IP Network Camera	MJPEG	Server-Based	N/A	Validated
SNC-RZ25	IP Day/Night PTZ Camera	MJPEG, MPEG-4	Server-Based	Yes (16 presets)	Validated
SNC-RZ30	IP Color PTZ Camera	MJPEG	Server-Based	Yes (16 presets)	Validated
SNTV704 (encoder)	4-Channel Video Station	MJPEG	Server-Based	N/A	Validated
SNC-RZ50	IP Color PTZ Camera	MJPEG, MPEG-4	Server-Based	Yes (16 presets)	Validated
SNT-EP104, SNT-EX104, SNT-EX154	4-Channel Encoder	MJPEG, H.264	Server-Based, In Camera	Yes	Validated

Vivotek® IP Cameras

Camera Model Number	Camera Description	Compression Format Supported	Motion	PTZ	Validation Scheme
FD7131	IP Fixed Dome Camera	MJPEG, MPEG-4	Server-Based, In-Camera	N/A	Validated

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Document Revision History

Document #	Date	Comments
C1024RN	7/10	Original version.
C1024RN-A	12/10	Updated the Digital Sentry IP camera driver version to 7.1. Incorporated all general and specific camera notes from the individual IP camera release notes. Added IP cameras to the ACTi and Axis tables. Added IP cameras to the Arecont table and modified the supported codec information. Modified the Bosch IP camera information. Added Hikvision IP camera information. Added IE, IEE, and IDE series IP cameras to the Pelco table and corrected the Pelco IP camera name from IX0 to IX30.

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