



by Schneider Electric

Release Notes

Arecont Vision IP Cameras Supported on Digital Sentry

Integral Digital Sentry® digital video management systems (DVMS) support certain Arecont Vision IP camera models. The camera models listed in this document can be used with Digital Sentry IP camera driver version 6.8.0.126 and later. Refer to each camera's table for information about the hardware and software features validated for use on a Digital Sentry system. Any general limitations or special instructions are listed at the beginning of the document, and any model-specific information is listed after each table. For information about the general usage of each camera, refer to the camera manufacturer's documentation.

To obtain the latest IP camera driver or documentation for use with Digital Sentry, refer to the Pelco Web site at www.pelco.com.

General Arecont Vision IP Camera Notes

- Frame rates are rounded down 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 7 fps.
- The frame rate requested might not match specifications in the camera manufacturer's documentation.
- Camera resolutions configured in DSAdmin must match resolutions supported in this document.
- Always stop the Digital Sentry VideoServer service before running the Arecont Vision AV Manager application. After 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 Integral 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 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 DSAdmin controls all supported Arecont Vision cameras.

Arecont Vision AV1300

Firmware	62406
Supported Resolutions	1280 x 1024, 640 x 512
FPS	1–30
Number of Quality Settings	21
Supported Codec	MJPEG
Supported Motion Detection	Integral, In-Camera
Pan/Tilt/Zoom (PTZ)	Not available

NOTE: In-camera motion detection on AV1300 is less sensitive at lower resolutions. It is recommended that Integral motion detection be used at lower resolutions with this camera.

Arecont Vision AV2100

Firmware	62309
Supported Resolutions	1600 x 1200, 800 x 600
FPS	1–24
Number of Quality Settings	21
Supported Codec	MJPEG
Supported Motion Detection	Integral, In-Camera
Pan/Tilt/Zoom (PTZ)	Not available

NOTE: In-camera motion detection on AV2100 is less sensitive at lower resolutions. It is recommended that Integral motion detection be used at lower resolutions with this camera.

Arecont Vision AV3100

Firmware	62414
Supported Resolutions	1920 x 1200, 960 x 600
FPS	1–22
Number of Quality Settings	20
Supported Codec	MJPEG
Supported Motion Detection	Integral, In-Camera
Pan/Tilt/Zoom (PTZ)	Not available

NOTES:

- To capture images larger than 2 MP, you must install Integral IP camera driver 6.7.0.5 or later and then Megapixel Support for DS Server/VAU 4.1. To obtain a copy of all necessary software versions, go to www.pelco.com.
- To view images larger than 2 MP, you must install Megapixel Support for DS Client/Admin 4.1 and DS ControlPoint 6.5.1.28 or later. To obtain a copy of all necessary software versions, go to www.pelco.com.
- Short communication delays (2–3 minutes) could occur when you use Digital Sentry to change the configuration of AV3100. The number and frequency of delays can be decreased by combining multiple configuration changes into as few groups as possible.
- In-camera motion detection on AV3100 is less sensitive at lower resolutions. It is recommended that Integral motion detection be used at lower resolutions with this camera.

Arecont Vision AV3130

Firmware	62315
Supported Resolutions	Day mode: 1920 x 1200, 960 x 600 Night/Automatic mode: 1280 x 1024, 640 x 512
FPS	1–20
Number of Quality Settings	21
Supported Codec	MJPEG
Supported Motion Detection	Integral
Pan/Tilt/Zoom (PTZ)	Not available

NOTES:

- To capture images larger than 2 MP, you must install Integral IP camera driver 6.7.0.5 or later and then Megapixel Support for DS Server/VAU 4.1. To obtain a copy of all necessary software versions, go to www.pelco.com.
- To view images larger than 2 MP, you must install Megapixel Support for DS Client/Admin 4.1 and DS ControlPoint 6.5.1.28 or later. To obtain a copy of all necessary software versions, go to www.pelco.com.
- Short communication delays (2–3 minutes) could occur when you use Digital Sentry to change the configuration of AV3130. The number and frequency of delays can be decreased by combining multiple configuration changes into as few groups as possible.
- When configuring AV3130 in DSAdmin, three different drivers are available including one each for Day, Night, and Automatic modes. The selected driver must match the mode selected in the camera's software.

Arecont Vision AV5100

Firmware	62406
Supported Resolutions	2560 x 1920, 1280 x 960
FPS	1–16
Number of Quality Settings	20
Supported Codec	MJPEG
Supported Motion Detection	Integral
Pan/Tilt/Zoom (PTZ)	Not available

NOTES:

- To capture images larger than 2 MP, you must install Integral IP camera driver 6.7.0.5 or later and then Megapixel Support for DS Server/VAU 4.1. To obtain a copy of all necessary software versions, go to www.pelco.com.
- To view images larger than 2 MP, you must install Megapixel Support for DS Client/Admin 4.1 and DS ControlPoint 6.5.1.28 or later. To obtain a copy of all necessary software versions, go to www.pelco.com.
- Short communication delays (2–3 minutes) could occur when you use Digital Sentry to change the configuration of AV5100. The number and frequency of delays can be decreased by combining multiple configuration changes into as few groups as possible.
- In-camera motion detection will be supported on AV5100 in a later release.

Arecont Vision AV8180 and AV8360

Firmware	62410
Supported Resolutions	1600 x 1200, 800 x 600 (per sensor) x4
FPS	1–22
Number of Quality Settings	20
Supported Codec	MJPEG
Supported Motion Detection	Integral
Pan/Tilt/Zoom (PTZ)	Not available

NOTES:

- 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 do not support in-camera motion detection. Using Integral motion detection at 1600 x 1200 resolution can significantly reduce the performance of the Digital Sentry system. To use Integral 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.

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