

AV3115/AV5115

3-Megapixel or 5-Megapixel Compact H.264 IP MegaVideo® Camera



AV3115v1 3MP Color
AV3115DNv1 3MP Day/Night
AV3115DNA1v1 3MP Day/Night and Auto-Iris

AV5115v1 5MP Color
AV5115DNv1 5MP Day/Night
AV5115DNA1v1 5MP Day/Night and Auto-Iris



Fast Frame Rates:
21fps @ 3MP, 14fps @ 5MP

Binned Mode to Increase Sensitivity
and **Low-Light Performance**

Compact Size to Accommodate
Environmental Housings

H.264 Addresses **Cost-Sensitive** Market

Arecont Vision Advantages:

- Dual Encoder H.264/MJPEG
- PSIA and ONVIF Conformant
- New User-Friendly Webpage
- 1024-Zone Motion Detection and Privacy Mask
- Bitrate Control
- Multi-Streaming
- Forensic Zooming
- Flexible Cropping
- PoE and Auxiliary Power: 12–48V DC/24V AC
- Color, Day/Night and Auto-Iris with Day/Night Versions
- True Day/Night Functionality with Removable IR Cut Filter



Specification sheets subject to change without notice.

Made in the USA



Model Numbers

AV3115v1	3MP Color
AV3115DNv1	3MP Day/Night
AV3115DNAIv1	3MP Day/Night and Auto-Iris
AV5115v1	5MP Color
AV5115DNv1	5MP Day/Night
AV5115DNAIv1	5MP Day/Night and Auto-Iris

Imaging

- 3-megapixel effective CMOS image sensor (AV3115)
- 5-megapixel CMOS image sensor (AV5115)
- Full resolution: 2592 (H) x 1944 (V) pixel array
- 1/2.5" optical format
- 2.2 μ m pixel pitch
- Minimum illumination of:
 - Color (non-binned): 0.3 Lux @ F1.4
 - Color (binned): 0.15 Lux @ F1.4
 - Day/Night: 0 Lux, IR sensitive
- Dynamic range 70.1 dB
- Maximum SNR 45 dB

Full Field-of-View (FOV) Resolution

Model Numbers	Full FOV Resolution	1/4 Resolution
AV3115	3MP 2048 (H) x 1536 (V)	1024 (H) x 768 (V)
AV5115	5MP 2592 (H) x 1944 (V)	1296 (H) x 972 (V)

Cropped (FOV) Resolution

Flexible Cropping: Crop to 2 pixels in H.264 and 1 pixel in JPEG

- | | |
|----------------------------|------------------------|
| • 2560x1600 QWXGA (AV5115) | • 1600x1200 2MP |
| • 2048x1536 3MP (AV5115) | • 1280x1024 1.3MP |
| • 1920x1200 WUXGA | • 1280x720 HDTV – 720p |
| • 1920x1080 HDTV – 1080p | • 640x480 VGA |

Data Transmission

- | | |
|--|---|
| <ul style="list-style-type: none"> • Video frame rate up to: AV5115: <ul style="list-style-type: none"> • 14fps @ 2592x1944 • 16fps @ 2560x1600 AV3115/5115: <ul style="list-style-type: none"> • 21fps @ 2048x1536 • 31fps @ 1600x1200 • 29fps @ 1920x1080 • 41fps @ 1280x1024 | <ul style="list-style-type: none"> • In Binned Mode up to: AV5115: <ul style="list-style-type: none"> • 34fps @ 1286x972 • 41fps @ 1280x800 AV3115/5115: <ul style="list-style-type: none"> • 46fps @ 1024x768 • 64fps @ 800x600 • 64fps @ 860x540 • 64fps @ 640x512 |
|--|---|
- Compression type
 - H.264 (MPEG-4, Part 10)/Motion JPEG
 - 21 levels of quality
 - RTSP, RTP/TCP, RTP/UDP, HTTP, TFTP protocol
 - 100Base-T Ethernet Network Interface
 - Multi-streaming: 8 non-identical streams

Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af for camera
- Auxiliary power 12–48V DC, 24V AC
- Power consumption: 5.59 Watts maximum
- Optional DC AI connection (DNAIv1 models only)

Industry Standard

- PSIA and ONVIF conformant

Compliance

- Class A FCC, Part 15; EN55022 Class A, RoHS, REACH EN55024, EN61000-3-2, EN61000-3-3, EN60950
- CE Mark, UL Listed

Programmability

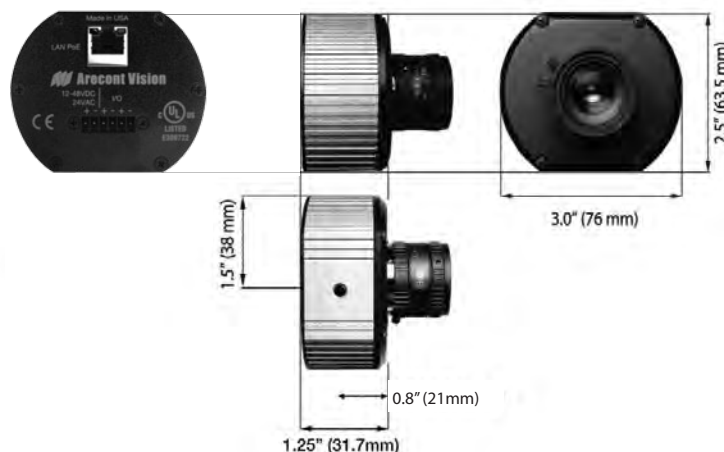
- Binned Mode
- Flexible cropping
- Low-light noise filter control
- Bitrate and bandwidth limitation control
- On-camera real-time motion detection and privacy mask with 1024 detection zones
- Backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip: 180° rotation
- Resolution windowing down to 1x1 pixel for JPEG and 2x2 pixels for H.264
- MoonLight™ Mode: extended exposure and noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Simultaneous delivery of full field-of-view and zoomed images
- Bandwidth and storage savings by running at 1/4 resolution

Environmental

- Operating temperature -5°C (23°F) to +50°C (122°F)
- Stable image temperature 0°C (32°F) to +50°C (122°F)
- Storage temperature -20°C (-4°F) to +60°C (140°F)
- Humidity 0% to 90% (non-condensing)

Mechanical

- 3" W (76mm) x 2.5" H (63.5mm) x 1.25" D (31.7mm) (w/o lens)
- 5.8 oz (164 grams) w/o lens
- C/CS lens mount

**Accessories**

- D4S: Indoor 4" Surface Mount Dome
- D4F: Indoor 4" In-Ceiling Flush Mount Dome
- D4SO: Outdoor 4" IP66, IK-10, Dome Housing
- Dome 4-I: Indoor 4" Vandal Dome
- Dome 4-O: Outdoor 4" IP66 Vandal Dome
- Dome 5-I: Indoor 5" Recessed Dome
- HSG2: Outdoor IP67 Housing with Heater and Dual Fans

Lenses

- | | |
|---------------------|----------------------|
| • MPL1.55 (fisheye) | • MPL4-12 |
| • MPL3.5 | • MPL8-16 |
| • MPL4.0 | • MPL12-40 |
| • MPL6.0 | • MPL33-11 |
| • MPL6.2 | • MPL33-12 |
| • MPL8.0 | • LENS4-13 |
| • MPL4-10 | • LENS4-10AI |
| | (DNAIv1 models only) |