

# AV3115/AV5115

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



**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



**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 μm 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
<b>AV3115</b>	3MP 2048 (H) x 1536 (V)	1024 (H) x 768 (V)
<b>AV5115</b>	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)
- 2048x1536 3MP (AV5115)
- 1920x1200 WUXGA
- 1920x1080 HDTV – 1080p
- 1600x1200 2MP
- 1280x1024 1.3MP
- 1280x720 HDTV – 720p
- 640x480 VGA

## Data Transmission

- Video frame rate up to:
  - AV5115:
    - 14fps @ 2592x1944
    - 16fps @ 2560x1600
  - AV3115/5115:
    - 21fps @ 2048x1536
    - 31fps @ 1600x1200
    - 29fps @ 1920x1080
    - 41fps @ 1280x1024
- In Binned Mode up to:
  - AV5115:
    - 34fps @ 1286x972
    - 41fps @ 1280x800
  - AV3115/5115:
    - 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

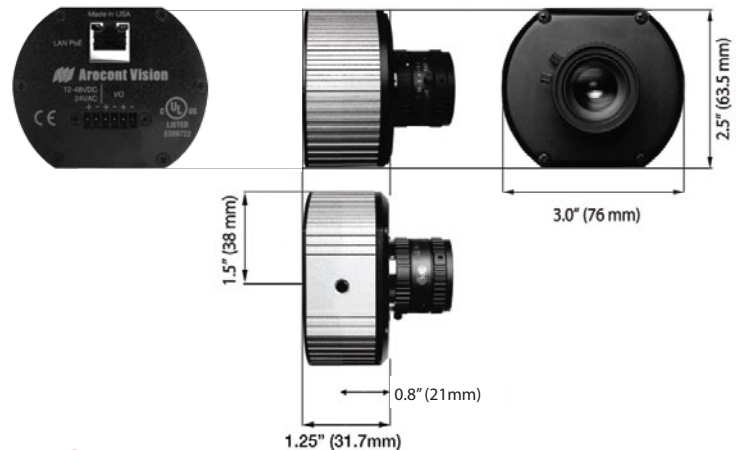
- Binned Mode
- Flexible cropping
- Low-light noise filter control
- Bitrate and bandwidth limitation control
- On-camera real-time motion detection and privacy mask with 1024 detection zones
- Backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic 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)
- MPL3.5
- MPL4.0
- MPL6.0
- MPL6.2
- MPL8.0
- MPL4-10
- MPL4-12
- MPL8-16
- MPL12-40
- MPL33-11
- MPL33-12
- LENS4-13
- LENS4-10AI (DNAIv1 models only)

