

# AV3115/AV5115

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

**Arecont Vision**  
megapixel technology...  
beyond imagination

**AV3115** 3MP Color  
**AV3115DN** 3MP Day/Night  
**AV3115AI** 3MP Auto-Iris

**AV5115** 5MP Color  
**AV5115DN** 5MP Day/Night  
**AV5115AI** 5MP Auto-Iris



The **Fastest** Frame Rate at 3MP & 5MP resolution on the market :  
21 fps @ 3MP, 14 fps @ 5MP

**Compact Package** for size constraints of environmental housing

Address **cost sensitive** H.264 market

## Arecont Vision Advantages:

- 3 & 5 Megapixel Configurations
- Dual Encoder H.264 (MPEG Part 10) and MJPEG
- Fastest MegaPixel Image Rates
- Unparalleled High Definition Resolution, 2592x1944
- Binning technique improve low-light performance
- PSIA Compliance
- Privacy Mask
- Extended Motion Detection Grid
- Flexible Cropping
- Bit Rate Control
- Multi-Streaming
- Forensic Zooming
- Cost Efficiency
- Compact Package
- Color, Day/Night and Auto-Iris versions
- PoE and Auxilliary power: 12-48 VDC/ 24VAC

Specification sheets subject to change without notice

Made in USA



## Model Numbers:

<b>AV3115</b>	3MP Color
<b>AV3115DN</b>	3MP Day/Night
<b>AV3115AI</b>	3MP Auto-Iris
<b>AV5115</b>	5MP Color
<b>AV5115DN</b>	5MP Day/Night
<b>AV5115AI</b>	5MP Auto-Iris

## Imaging

- 3 megapixel 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
- Bayer mosaic RGB filter
- 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 44.1 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)x768(V)
<b>AV5115</b>	5MP 2592 (H) x 1944 (V)	1296(H)x972(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
    - 16.5fps @ 2560x1600
  - AV3115/5115:
    - 21fps @ 2048x1536
    - 31fps @ 1600x1200
    - 29fps @ 1920x1080
    - 41fps @ 1280x1024
- Video frame in binned mode up to:
  - AV5115:
    - 34fps @ 1286x972
    - 41fps @ 1280x800
  - AV3115/5115:
    - 47fps @ 1024x768
    - 64fps @ 800x600
    - 64fps @ 860x540
    - 64fps @ 640x512
- Compression type
  - H.264 (MPEG4, Part 10) / Motion JPEG
  - 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate
  - bit rate control from 100Kbps to 10Mbps
  - unthrottled data rate up to 55Mbps
- 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: 4.5 Watts maximum
- Optional DC AI connection ( AV3115AI and AV5115AI)

## Programmability

- Privacy mask
- Flexible cropping
- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 1024 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image flip - 180 degree rotation
- Resolution windowing down to 1x1 pixel for JPEG and 2x2 pixels for H.264
- Programmable shutter speed to help control motion blur
- MoonLight™ mode - extended exposure and proprietary noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Picture-in-Picture: simultaneous delivery of full field of view and zoomed images
- Bandwidth & storage savings by running at 1/4 resolution

## Regulatory Approvals / Listings

- FCC, CE, RoHS, UL

## Industry standard

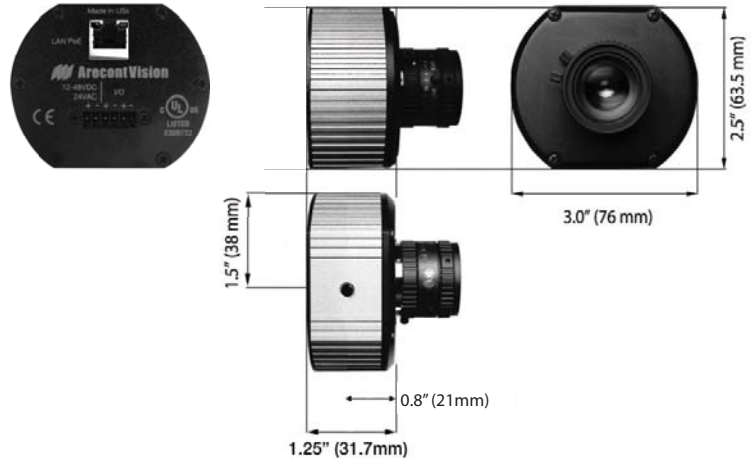
- PSIA compliance

## Environmental

- Operating temperature -5°C (23 °F) to +60°C (140 °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 (76 mm) x 2.5"H (63.5 mm) 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 Mount Dome
- Dome 4-I : Indoor 4" Vandal Dome
- Dome 4-O : Outdoor 4" Vandal Dome
- Dome 5-I : Indoor 5" Recessed Dome
- HSG1-O-W : Outdoor Environmental Housing w/Heater/Blower

## Lenses

- MPL4-10
- MPL4-12
- MPL8-16
- MPL4.0
- MPL6.0
- MPL8.0
- MPL33-12
- MPL12-40
- LENS4-13
- LENS4-10AI



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