

# AV1115/AV2115

1.3 Megapixel or Full HD 1080p @ 30fps Compact H.264 IP MegaVideo® Camera

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

**AV1115** 1.3MP Color  
**AV1115DN** 1.3MP Day/Night  
**AV1115AI** 1.3MP Auto-Iris

**AV2115** Full HD 1080p Color  
**AV2115DN** Full HD 1080p Day/Night  
**AV2115AI** Full HD 1080p Auto-Iris



**With Casino Mode**

The **Fastest** Frame Rate at 1080p and  
1.3MP resolution on the market :  
32 fps @ 1080p; 42fps @1.3MP

**Compact Package** for size con-  
straints of environmental housing

Address **cost sensitive** H.264 market

## Arecont Vision Advantages:

- Dual Encoder H.264 (MPEG Part 10) and MJPEG
- Fastest MegaPixel Image Rates
- PSIA Compliance
- Privacy Mask
- Extended Motion Detection Grid
- Flexible Cropping
- Bit Rate Control
- Multi-Streaming
- Forensic Zooming
- Cost Efficiency
- Compact Package
- PoE & Auxiliary Power: 12-48 VDC / 24 VAC
- Casino mode always maintains 30fps
- Color, Day/Night and Auto-Iris versions

Specification sheets subject to change without notice **Made in USA**



**Model Numbers:**

<b>AV1115</b>	1.3MP Color
<b>AV1115DN</b>	1.3MP Day/Night
<b>AV1115AI</b>	1.3MP Auto-Iris
<b>AV2115</b>	Full HD 1080p Color
<b>AV2115DN</b>	Full HD 1080p Day/Night
<b>AV2115AI</b>	Full HD 1080p Auto-Iris

**Imaging**

- 1.3 megapixel CMOS image sensor ( AV1115)
- 2.07 CMOS image sensor ( AV2115)
- Full resolution: 1920 (H) x 1080 (V) pixel array
- 1/2.7" optical format
- 3 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
  - Color(non-binned): 0.1 Lux @ F1.4
  - Day/Night: 0 Lux, IR sensitive
- Dynamic range 69 dB
- Maximum SNR 45 dB

**Full Field of View (FOV) Resolution**

Model Numbers	Full FOV Resolution	1/4 Resolution
<b>AV1115</b>	1.3MP 1280 (H) x 1024 (V)	640(H) x 512(V)
<b>AV2115</b>	1080p 1920 (H) x 1080 (V)	960(H) x 540(V)

**Cropped (FOV) Resolution**

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

- 1280x1024 1.3MP (AV2115)
- 1280x720 HDTV - 720p
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

**Data Transmission**

- Video frame rate up to:
  - AV2115:
    - 32fps @ 1920x1080
  - AV1115:
    - 42fps @ 1280x1024
- 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 ( AV1115AI and AV2115AI)

**Regulatory Approvals / Listing**

- FCC, CE, RoHS, UL

**Industry standard**

- PSIA compliance

**Programmability**

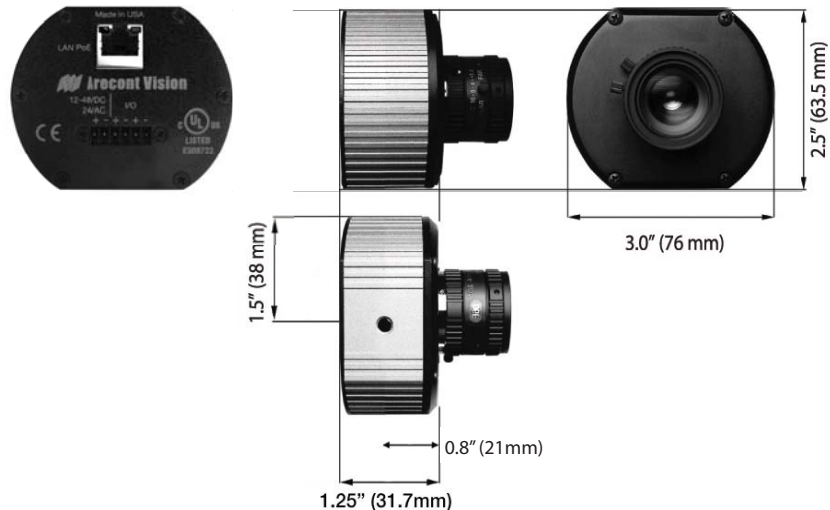
- Privacy mask
- Flexible cropping
- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 1024 detection zones
- Auto backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image 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

**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 (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