

# AV10115

10 Megapixel/1080p Dual Mode Compact H.264 IP MegaVideo® Camera

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

**AV10115** Color  
**AV10115DN** Day/Night  
**AV10115AI** Auto-Iris

Dual Mode  
**10MP**  
80P



## Arecont Vision Advantages:

- Dual mode 10MP & 1080p
- Dual Encoder H.264 (MPEG Part 10) and MJPEG
- Binning technique improves low-light performance
- Compact Package
- Fastest MegaPixel Image Rates
- Privacy Mask
- Flexible Cropping
- Multi-Streaming
- Forensic Zooming
- PSIA Compliance
- Extended Motion Detection Grid
- Flexible Cropping
- Bit Rate Control
- Color, Day/Night and Auto-Iris versions
- PoE and Auxilliary power: 12-48VDC/ 24VAC

World's **First** 10 Megapixel/1080p  
Dual Mode H.264 IP Camera

The **Fastest** Frame Rate on the  
Market: **Up to 7fps @ 10MP**  
and **Up to 32 fps @ 1080p**

Unparalleled High Definition  
Resolution at **3648 x 2752**

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



**Model Numbers:**

<b>AV10115</b>	Color
<b>AV10115DN</b>	Day/Night
<b>AV10115AI</b>	Auto-Iris

**Imaging**

- 10 megapixel CMOS image sensor
- Binned Mode (2x2): 2.5M to improve low light performance
- Maximum resolutions:
  - Mode 1: 3648 (H) x 2752 (V)
- Mode 2: 1920 (H) x 1080 (V)
  - 1/2.3" optical format
  - 1.67 µm pixel pitch
  - Bayer mosaic RGB filter
  - Minimum illumination of:
    - Color (non-binned): 0.42 Lux @ F1.4
    - Color (binned): 0.21 Lux @ F1.4
    - Day/Night: 0 Lux, IR sensitive
- Dynamic range 57.2 dB
- Maximum SNR 40 dB

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

- 3648 (H)x2752(V) 10 megapixel
- 1920 (H)x1080(V) HDTV-1080p
- 1824(H)x1376(V) 2.5MP

**Cropped (FOV) Resolution**

- 2592x1944 5MP
- 2560x1600 WQXGA
- 2048x1536 3MP
- 1920x1080 HDTV - 1080p
- 1600x1200 2MP
- 1280x1024 1.3MP
- 1280x720 HDTV - 720p
- 640x480 VGA

**Data Transmission**

- Video frame rate up to:
  - 7fps @ 3648x2752
  - 14fps @ 2592x1944
  - 19fps @ 2048x1536
  - 28fps @ 1920x1080
  - 39fps @ 1280x1024
- Video frame rate in binned mode:
  - 32fps @ 1920x1080
  - 27fps @ 1824x1376
  - 47fps @ 1296x972
  - 57fps @ 1024x768
- 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 70Mbps
- 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 Watts maximum
- Optional DC AI connection (AV10115AI)

**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)

**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**

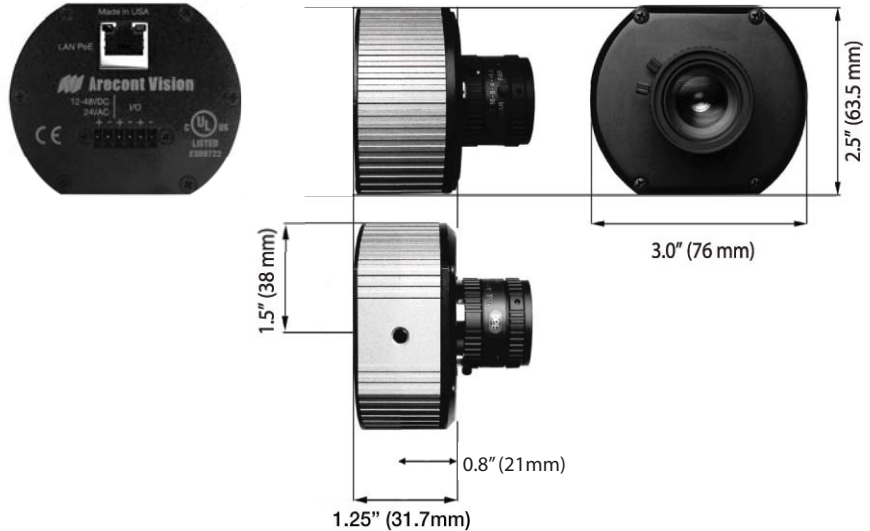
- FCC, CE, RoHS, UL

**Industry standard**

- PSIA compliance

**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**

- Ultra HD lenses
    - UHD8.0
    - UHD16.0
    - UHD25.0
    - UHD35.0
- \*Note: Please use Ultra HD lenses to get best image quality and resolution