

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:

AV10115	Color
AV10115DN	Day/Night
AV10115AI	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 @ 1920x
 - 27fps @ 1824x
 - 47fps @ 1296X
 - 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

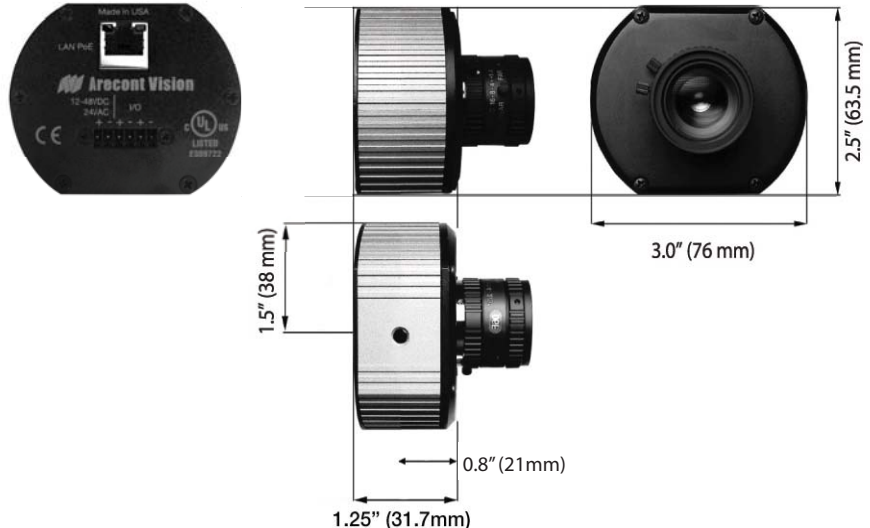
- FCC, CE, RoHS, UL

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