

# AV10115

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

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

**AV10115v1** 10MP Color  
**AV10115DNv1** 10MP Day/Night  
**AV10115DNAIv1** 10MP Day/Night and Auto-Iris

**Dual Mode**  
**10MP**  
**80**



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

The Fastest Frame Rates on  
the Market: Up to 7fps @ 10MP  
and Up to 30fps @ 1080p

Unparalleled High-Definition  
Resolution at 3648x2752

Binning Mode Improves  
Low-Light Performance

#### Arecont Vision Advantages:

- Dual Encoder H.264/MJPEG
- The Fastest Frame Rates on the Market
- PSIA and ONVIF Conformant
- New User-Friendly Webpage
- Privacy Mask, Motion Detection and Flexible Cropping
- Bit Rate Control and Multi-Streaming
- Forensic Zooming
- True Day/Night Functionality with Removable IR Cut Filter
- PoE and Auxiliary Power: 12-48V DC/24V AC
- Binning Mode to Increase Low-Light Performance
- Color, Day/Night and Auto-Iris with Day/Night Versions



Specification sheets subject to change without notice.

Made in the USA



**Model Numbers**

<b>AV10115v1</b>	10MP Color
<b>AV10115DNv1</b>	10MP Day/Night
<b>AV10115DNAIv1</b>	10MP Day/Night and Auto-Iris

**Imaging**

- 10-megapixel CMOS image sensor
- Binning 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
- 1.67µm pixel pitch
- Minimum illumination of:
  - Color (Non-Binning): 0.42 Lux @ F1.4
  - Color (Binning): 0.21 Lux @ F1.4
  - Day/Night: 0 Lux, IR sensitive
- Dynamic range 57.2dB
- Maximum SNR 40dB

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

- 3648 (H) x 2752 (V) 10MP
- 1920 (H) x 1080 (V) HDTV - 1080p
- 1824 (H) x 1376 (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: | Video frame rate in Binning Mode: |
| • 7fps @ 3648x2752      | • 30fps @ 1920x1080               |
| • 12fps @ 2592x1944     | • 25fps @ 1824x1376               |
| • 18fps @ 2048x1536     | • 46fps @ 1296x972                |
| • 26fps @ 1920x1080     | • 57fps @ 1024x768                |
| • 37fps @ 1280x1024     |                                   |
- Compression type:
    - H.264 (MPEG4, Part 10)
    - Motion JPEG
    - 21 levels of quality
  - RTSP, RTP/TCP, RTP/UDP (Unicast/Multicast), HTTP, DHCP, TFTP image transmission protocols
  - 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: 5.4 Watts maximum
- Optional DC AI connection (DNAIv1 model only)

**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)

**Programmability**

- Binning Mode
- Flexible cropping
- Low-light noise filter control
- Bit rate 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
- Programmable shutter speed to help control motion blur
- 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

**Compliance Information**

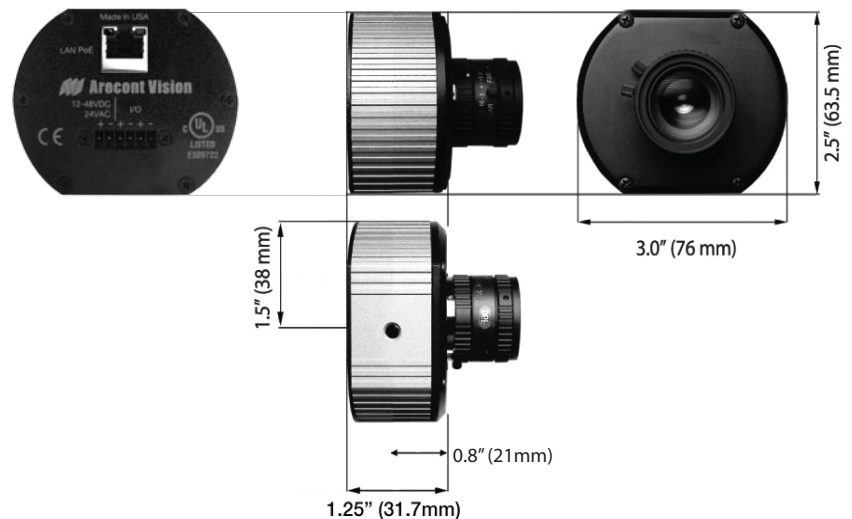
- Class A FCC, Part 15; EN55022 Class A, EN55024, EN61000-3-2, EN61000-3-3 RoHS, REACH
- CE Mark, UL Listed
- WEEE

**Industry Standard**

- PSIA and ONVIF conformant

**Mechanical**

- 3" W (76mm) x 2.5" H (63.5mm) x 1.25" D (31.7mm) (w/o lens)
- 5.8oz (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-Resistant Dome
- Dome 4-O: Outdoor 4" Vandal-Resistant Dome
- Dome 5-I: Indoor 5" Recessed Dome
- HSG2: Outdoor IP67 Housing with Heater and Dual Fans

**Lenses**

- UHD45-10
- UHD45-10AI

\*Note: Please use Ultra HD Lenses to achieve the best image quality and resolution