

AV1125/AV2125

1.3 Megapixel and Full HD 1080p @ 30fps H.264 MegaView™ IP Camera

Arecont Vision
megapixel technology...
beyond imagination

AV1125IR 1.3MP H.264 Day/Night w/ IR Illuminator
AV1125DN 1080p H.264 Day/Night

AV2125IR 1080p H.264 Day/Night w/ IR Illuminator
AV2125DN 1080p H.264 Day/Night



With Casino Mode

All-in-One MegaView IR Camera
Solution

The **Fast** Frame Rate at 1.3MP
and 1080p Resolution on the
Market: **42fps@ 1.3MP**
32fps@ 1080p

Arecont Vision Advantages:



- All-in-one MegaView IR camera Solution
- IP66 and vandal resistant housing
- H.264 (MPEG4 Part 10) Compression Standard
- External lens adjustment (Plug-n-play)
- Easily adjustable 3-axis bracket
- IR LED configuration exceeds the market standard
- Fastest MegaPixel Image Rates
- Superior Low Light Performance
- PSIA Compliance
- Privacy Mask
- Extended Motion Detection Grid
- Flexible Cropping
- Bit Rate Control
- Multi-Streaming
- Forensic Zooming
- Casino Mode always maintains 30fps

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



Model Numbers:

AV1125IR	1.3MP H.264 Day/Night w/ IR Illuminator
AV1125DN	1.3MP H.264 Day/Night
AV2125IR	1080p H.264 Day/Night w/ IR Illuminator
AV2125DN	1080p H.264 Day/Night

Imaging

- 1.3 megapixel CMOS image sensor (AV1125)
- 2.07 megapixel CMOS image sensor (AV2125)
- 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: 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
AV1125IR/DN	1.3MP 1280(H) x 1024(V)	640(H) x 512(V)
AV2125IR/DN	1080p 1920(H) x 1080(V)	960(H) x 540(V)

Cropped (FOV) Resolution

Flexible Cropping

- 1280x1024 1.3MP (AV2125)
- 1280x720 HDTV-720p
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

Data Transmission

- Video frame rate up to:
 - AV2125:
 - 32fps @ 1920x1080
 - AV1125:
 - 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 (DN version only)
- General purpose opto-coupled input (IR version only)
- Power over Ethernet (PoE): PoE 802.3af for camera
- Auxiliary power 12-48V DC, 24V AC for IR illuminator, heater and blower
- Power consumption:
 - 4.9 Watts maximum (DN) / 7.9 Watts maximum (IR)

Heater and Blower Electrical

- Voltage Input: 12V to 48V DC or 24V AC (separate power required)
- Power Output: 10W Max (DC12V) / 28.8 W Max (AC24V)
- Switch: On: 4C° (39.2 °F), Off: 7°C (44.6 °F)

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 and listings

- FCC, CE, RoHS, UL

Industry standard

- PSIA compliance

Environmental

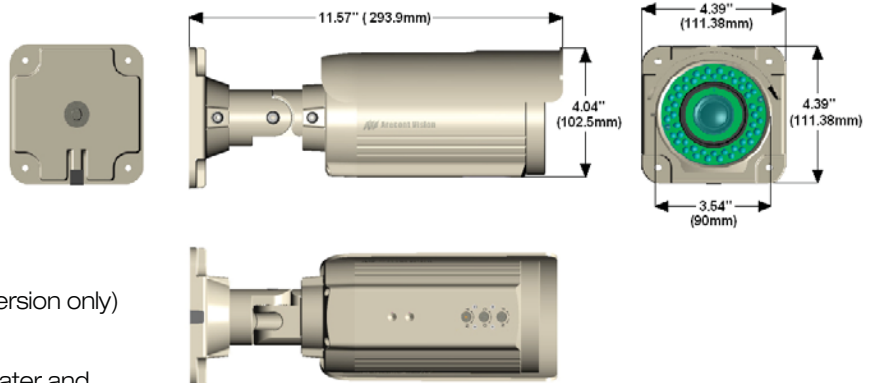
- IP66 weatherproof standard
- Operating temperature -40°C (-40 °F) to + 50°C (122 °F)
- Stable image Temperature 0°C (32 °F) to + 50°C (122 °F)
- Storage temperature -30°C (-22 °F) to + 60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

IR Illuminator

- Voltage Input: 12V to 48V DC or 24V AC (separate power required)
- 48 pcs 850nm LEDs / 25 meter IR distance (max) / 45° IR angle
- 3 watts power consumption

Mechanical

- Easily adjustable 3-axis bracket
- Vandal resistant aluminum cylindrical (Bullet-style) housing
- External lens adjustment including zoom, iris and focus
- 4"H (102 mm) x 4.3"W (111 mm) x 11.5"D (293mm)
- 3.74 lbs (1.69kg)



Lens

- 4.5 - 10 mm vari-focal lens with IR corrected
- Max Aperture: F1.6
- Horizontal F.O.V.
 - AV1125 = 22°-48°
 - AV2125 = 34°-73°

Accessories:

- MV-EBA - Indoor/Outdoor Electrical Box Adapter
- MD-PMA - Indoor/Outdoor Pole Mount Adapter
- MD-CRMA - Indoor/Outdoor Corner Mount Adapter