

# AV1125/AV2125

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

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

**AV1125IRv1** 1.3MP H.264 Day/Night w/ IR Illuminator  
**AV1125DNv1** 1080p H.264 Day/Night

**AV2125IRv1** 1080p H.264 Day/Night w/ IR Illuminator  
**AV2125DNv1** 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**

**PoE Solution** to Power Camera, IR LEDs and Fan (**No Auxiliary Power Required**)



## 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 on AV2125xx models (always maintains 30fps)
- True Day/Night Functionality with Removeable IR Cut Filter

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



**Model Numbers:**

- AV1125IRv1** 1.3MP H.264 Day/Night w/ IR Illuminator
- AV1125DNv1** 1.3MP H.264 Day/Night
- AV2125IRv1** 1080p H.264 Day/Night w/ IR Illuminator
- AV2125DNv1** 1080p H.264 Day/Night

**Imaging**

- 1.3 megapixel effective 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
- Progressive Scan
- 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	2.07MP 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
- Bit rate control from 100Kbps to 10Mbps
- 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)
- PoE 802.3af for camera, IR illuminator and fan
- Auxiliary power 12-48V DC or 24V AC for camera, IR illuminator and fan
- Power consumption:
  - 5.5 Watts maximum / 9.8 Watts maximum ( IR on)

**Compliance Information**

- Compliance:
  - AV1125DNv1/AV2125DNv1: Class B FCC, Part 15; EN55022 Class B
  - AV1125IRv1/AV2125IRv1: Class A FCC, Part 15; EN55022 Class A
  - EN55024, EN61000-3-2, EN61000-3-3, EN60950-1 RoHS, REACH, IP66 (EN60529)
- Marks: cULus, CE Mark

**Industry standard**

- PSIA compliance

**Programmability**

- Privacy mask
- Flexible cropping
- Casino Mode™ (AV2125)
- Lowlight noise filter control
- Shutter Speed = 1ms - 500ms
- 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**

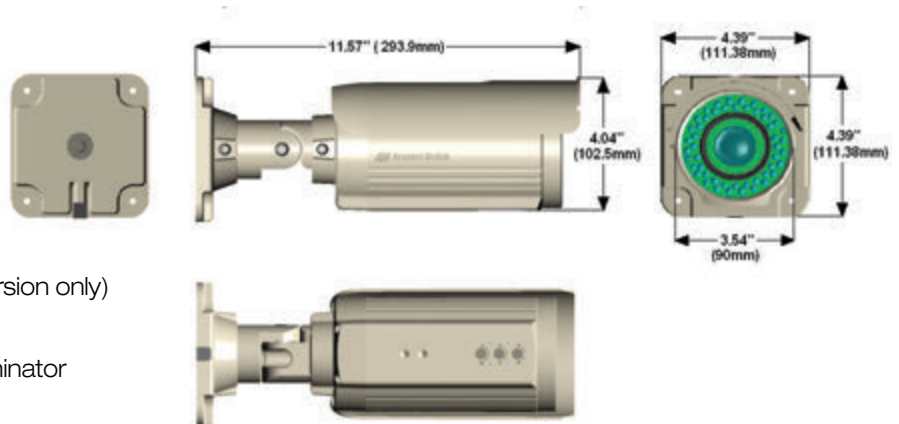
- Operating temperature -40°C (-40 °F) to + 50°C (122 °F)
- Stable image Temperature 0°C (32 °F) to + 50°C (122 °F)
- Storage temperature -30°C (-22 °F) to + 60°C (140 °F)
- Humidity 0% to 90% (non-condensing)

**IR Illuminator**

- 48 pcs 850nm LEDs / 25 meter IR distance (max) / 45° IR angle
- 3 watts power consumption
- No external power required

**Mechanical**

- Casing
  - Die-casting aluminum cylindrical (Bullet-style) housing
  - Vandal resistant
  - IP66 weather proof
- 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:**

- SV-EBA - Electrical Box Adapter
- MD-PMA - Pole Mount Adapter
- MD-CRMA - Corner Mount Adapter
- SV-JBA - Junction Box Adapter