



## Model Numbers:

- AV2105 - Color
- AV2105-AI - Color Auto-Iris
- AV2105DN - Day/Night

## Imaging

- 2 megapixel CMOS image sensor
- 1600(H) x 1200(V) pixel array
- 1/2" optical format
- 4.2 µm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
  - Color: 0.1 Lux @ F1.4
  - Day/Night: 0 Lux, IR sensitive
- Dynamic range 61 dB
- Maximum SNR 50 dB

## Full Field of View (FOV) Resolutions

- 1600(H)x1200(V)                      2 megapixel
- 800(H)x600(V)                         1/4 resolution

## Cropped Field of View Resolutions

- 1280x1024                      1.3 MP
- 1280x720                        HDTV-720p
- 1024x768                        XGA
- 800x600                         SVGA
- 704x570                         PAL
- 704x480                         NTSC
- 640x480                         VGA
- 352x288                         CIF
- 320x240                         SIF

## Data Transmission

- Video frame rate up to:
  - 24fps @ 1600x1200
  - 32fps @ 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
  - bit rate control available for full view, multi view, and archive
  - unthrottled data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

## Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera real-time motion detection with 64 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 32x32 pixels window
- 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

## Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12-48VDC and 24VAC
- Power consumption 4.5 Watts maximum
- Optional DC AI connection (AV2105 - AI)

## Regulatory Approvals

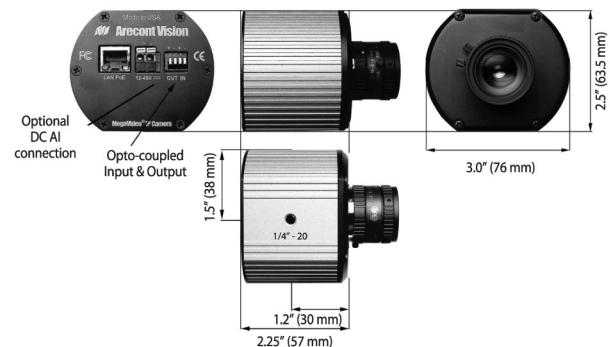
- FCC, CE and RoHS compliant

## Environmental

- Operating 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)

## Mechanical

- 3"W (76 mm) x 2.5"H (63.5 mm) x 2.25"D (57mm) (w/o lens)
- 8.6 oz (243 grams) (w/o lens)
- C/CS lens mount



## Housing Accessories:

- 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:

- MPL4-10
- MPL8-16
- MPL4.0
- MPL6.0
- MPL8.0
- LENS4-13
- LENS4-10AI

\* Other megapixel lenses are also available with Arecont Vision's housing options.



Made in USA

Revised on 12/10/09