AV1310

1.3 Megapixel JPEG IP MegaVideo® Camera

AV1310 (Color)   AV1310DN (Day/Night)

MegaVideo® Compact Series

The AV1310 series network camera is part of Arecont Vision's full line of MJPEG megapixel cameras. It delivers full motion progressive scan 1280 x 1024 video at 32fps featuring MegaVideo® image processing and associated functions such as multiple zoom windows and motion detection in a compact package.

Arecont Vision Advantages:

Superior Low Light Performance
- 1/2" CMOS Sensor

Unparalleled High Definition Resolution - 1280x1024
- Four times the resolution of IP VGA or analog cameras

Fastest MegaPixel Image Rates
- Up to 32fps in 1.3 megapixel mode

Forensic Zooming
- Zoom live or after-event while recording full field of view in HD … replace PTZ devices

Reduced Overall System Cost
- Less cameras to install, less wiring, no external power (POE), less NVR licensing fees

Cost Efficiency
- Comparable cost to IP VGA & analog cameras

Full or 1/4 Resolution
- Can be selected for either live viewing or archiving purposes

Other key features:
- Simultaneous full field of view and Region-of-Interest (ROI)
- Image cropping allows streaming of full density partial images
- On-camera motion detection
- Mechanical IR Cut Filter (DN Version) and more

Model Numbers:

AV1310 - Color
AV1310DN - Day/Night

Imaging
- 1.3 megapixel CMOS image sensor
- 1280(H) x 1024(V) pixel array
- 1/2" optical format
- 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
- 1280(H)x1024(V)   1.3 megapixel
- 640(H)x512(V)   1/4 resolution

Cropped Field of View Resolutions
- 1280x720   HDTV - 720p
- 1024x768   XGA
- 800x600   SVGA
- 704x570   PAL
- 704x480   NTSC
- 640x480   VGA
- 352x288   CIF
- 320x240   SIF

Data Transmission
- Video frame rate up to:
    - 32fps @ 1280x1024
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface
- Data rate up to 55Mbps
- Multi-streaming: 8 non-identical streams

Programmability
- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On-camera 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 rotation - 180˚ flip
- Resolution windowing down to 32x32 pixels window
- Programmable shutter to minimize motion blurring for low-light mode
- 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
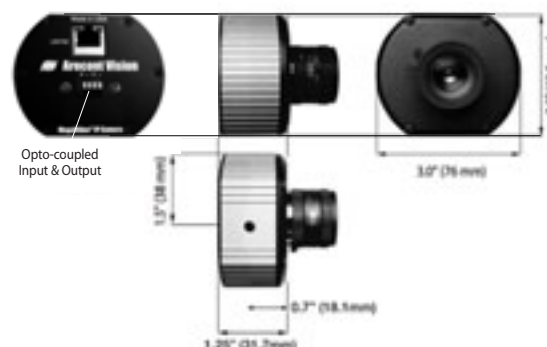- Power consumption 3 Watts maximum

Regulatory Approvals
- FCC, Class A
- 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 1.25"D (31.7mm) (w/o lens)
- 5.8oz (164 grams) (w/o lens)
- C/CS lens mount

Opto-coupled
Input & Output

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

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

Arecont Vision
megapixel technology...
beyond imagination

Made in USA