

# AV3130

3/1.3 Megapixel IP-camera

AV3130M (Day/Night)

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



*AV3130 series network camera is a unique dual sensor Day/Night camera solution. This full motion progressive scan camera delivers up to 15fps in color (3MP) mode and 30fps in B&W (1.3MP) mode. Using massively-parallel MegaVideo® image processing architecture, AV3130 is capable of sustaining over 6 billion operations per second with unparalleled resolution performance and value.*

## Arecont Vision Advantages:

### Superior Low Light Performance

- 1/2" color and monochrome CMOS sensors

### Unparalleled High Definition Resolution - 2048x1536

- Ten times the resolution of IP VGA or analog cameras

### Dual Sensor

- 1.3 MP B/W and 3 MP Color

### Fastest MegaPixel Image Rates

- Up to 15fps/30fps in 3/1.3 megapixel modes

### 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

MegaVideo® Series

Learn more about our products at [www.arecontvision.com](http://www.arecontvision.com)

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## Model Numbers:

AV3130M - Color and Day/Night

### Imaging

- 3 megapixel color 2048(H) x 1536(V) - 3.2µm
- 1.3 megapixel monochrome 1280(H) x 1024(V) - 5.2µm
- 1/2" CMOS optical format
- Bayer mosaic RGB filter
- Minimum illumination of:
  - Color: 0.2 Lux @ F1.4
  - B/W: 0 Lux, IR sensitive
- Dynamic Range 60 dB
- Maximum SNR 45 dB

### Full Field of View (FOV) Resolutions

- 2048(H)x1536(V) 3 megapixel
- 1024(H)x768(V) 1/4 resolution
- 1280(H)x1024(V) 1.3 megapixel
- 640(H)x512(V) 1/4 resolution

### Cropped Field of View Resolution

- 1920x1200 WUXGA
- 1920x1080 HDTV-1080p
- 1600x1200 2 MP
- 1280x1024 1.3 MP
- 1280x720 HDTV-720p
- 1024x768 XGA
- 800x600 SVGA
- 704x570 PAL
- 704x480 NTSC
- 640x480 VGA
- 352x288 CIF
- 320x240 SIF

### Data Transmission

- Data Rate up to 55Mbps
- Video frame rate up to:
  - 15 fps @ 2048x1536
  - 20 fps @ 1920x1200
  - 22 fps @ 1920x1080
  - 24 fps @ 1600x1200
  - 32 fps @ 1280x1024
- Motion JPEG with 21 levels of quality
- TFTP and HTTP image transmission protocols
- 100Base-T Ethernet Network Interface

### 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

- Opto-coupled alarm or trigger input, opto-coupled alarm and flash sync output
- Power Over Ethernet (PoE): PoE 802.3af
- DC Input: auxiliary 15V-48V DC
- Power consumption 3.2 Watts maximum

### Regulatory Approvals

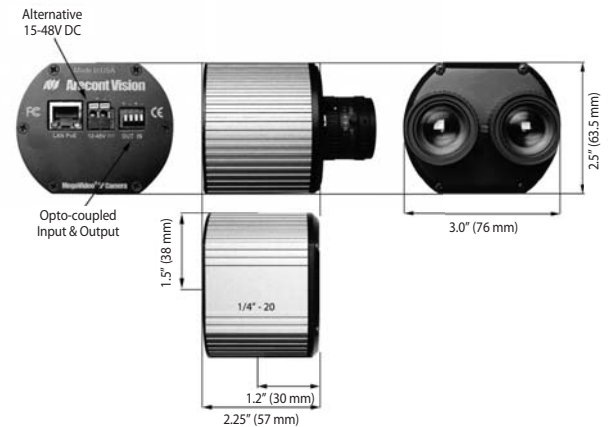
- FCC, CE and RoHS compliant

### 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 5-I - Indoor 5" Recessed Dome

### Lenses:

LENS 6.0	M1614-MP
6mm MP Lens	16mm MP Lens
M0814-MP	M2514-MP
8mm MP Lens	25mm MP Lens
M1214-MP	15M5018-MP
12mm MP Lens	50mm MP Lens

\* Other megapixel lenses are also available

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