

# AV3135

## 3/1.3 Megapixel H.264 IP-camera

AV3135 (Day/Night)

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



H.264 Dual Sensor Camera

### Arecont Vision Advantages:

#### World's First Full Line of H.264 Megapixel Cameras

- 1.3 to 10 megapixels with no frame rate reduction

#### H.264 (MPEG4 Part 10) Compression Standard

- Simultaneous support of both H.264 and MJPEG
- 10x average bandwidth and storage reduction over MJPEG

#### Multi-Streaming

- Up to 8 concurrent non-identical streams with different frame rates, bit rates, resolutions and picture quality

#### Bit Rate Control

- Maintain desired bandwidth and storage size

#### Real Time Streaming Protocol (RTSP)

- Allows for compatibility with media players such as Apple QuickTime, Windows Media Player, VLC Player, etc.

#### 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/32fps 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

*AV3135 network camera is a unique dual sensor Day/Night camera solution and is a part of Arecont Vision's full line of H.264 megapixel cameras. This full motion progressive scan camera delivers up to 15fps in color (3MP) mode and 32fps in B&W (1.3MP) mode. Using massively-parallel MegaVideo® image processing architecture, AV3135 is capable of sustaining over 80 billion operations per second with unparalleled resolution performance and value. Part of the MegaVideo® line of cameras, it offers bandwidth and storage efficiency of 10X greater on average over traditional megapixel counterparts.*

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

## Model Numbers:

AV3135 - 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

- Video frame rate up to:
  - 15 fps @ 2048x1536
  - 20 fps @ 1920x1200
  - 22 fps @ 1920x1080
  - 24 fps @ 1600x1200
  - 32 fps @ 1280x1024
- Compression type
  - H.264 (MPEG4, Part 10)
  - Motion JPEG
- Motion JPEG with 21 levels of quality
- TFTP and HTTP 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 in MJPEG up to 55Mbps

## 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
- Power over Ethernet (PoE): PoE 802.3af
- DC input: auxiliary 12V-48V DC
- Power consumption 4 Watts maximum

## Regulatory Approvals

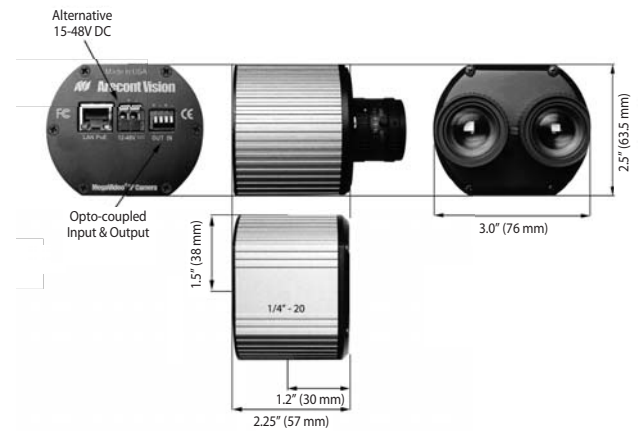
- FCC, CE and RoHS compliant

## 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:

MPL4.0 4mm MP Lens	M1214-MP 12mm MP Lens	M5018-MP 50mm MP Lens
MPL6.0 6mm MP Lens	M1614-MP 16mm MP Lens	* MPL4-10 4-10mm MP Lens
MPL8.0 8mm MP Lens	M2514-MP 25mm MP Lens	* MPL8-16 8-16mm MP Lens

\* Set screw must be removed to screw in lens

\*\* Other megapixel lenses are also available

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