The AV3155 MegaDome™ series network camera is part of Arecont Vision’s full line of H.264 megapixel cameras. This fully compliant implementation of H.264 (MPEG 4, Part 10) provides full 2048 x 1536 megapixel resolution at full video frame rates of 15fps. The MegaDome™ camera line provides an all-in-one solution with integrated megapixel camera, lens, and vandal resistant dome enclosure. Using MegaVideo® technology, these cameras offer bandwidth and storage efficiency of up to 10X on average over traditional megapixel counterparts.

**Arecont Vision Advantages:**

**All-in-one H.264 MegaDome™ Solution**
- Integrated megapixel camera, lens, and IP66 dome housing
- Vandal resistant aluminum chassis with 4” polycarbonate dome bubble
- Camera gimbal with 360° pan and 90° tilt adjustment for easy and accurate positioning
- Available in 1.3, 2, 3, and 5 MP sensor configurations with color only or Day/Night versions
- Supports both H.264 and MJPEG at full resolutions and full frame rates
- Surface mount with optional pendant mount or wall mount
- IP66 weatherproofing standard

**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” CMOS Sensor
- Ten times the resolution of IP VGA or analog cameras

**Fastest MegaPixel Image Rates**
- Up to 15fps in 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

**Full or 1/4 Resolution**
- Can be used 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
- Motorized IR Cut Filter (DN Version) and more

Learn more about our products at [www.arecontvision.com](http://www.arecontvision.com)
Model Numbers:
AV3155 - Color
AV3155DN - Day/Night

Imaging
- 3 megapixel CMOS image sensor
- 2048(H) x 1536(V) pixel array
- 1/2’’ optical format
- 3.2 μm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
  - Color: 0.2 Lux @ F1.4
  - Day/Night: 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

Cropped Field of View Resolutions
- 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:
  - 15fps @ 2048x1536
  - 20fps @ 1920x1200
  - 22fps @ 1920x1080
  - 24fps @ 1600x1200
  - 32fps @ 1280x1024
- Compression type:
  - H.264 (MPEG4, Part 10)
  - Motion JPEG
  - 21 levels of quality
- TFTP, HTTP, RTSP 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 real-time motion detection with 64 detection zones
- Programmable 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
- Opto-coupled alarm or trigger input, opto-coupled alarm and flash sync output
- Power over Ethernet (PoE): PoE 802.3af
- DC input: auxiliary 12V-48V DC
- Power consumption 5 Watts maximum

Regulatory Approvals
- FCC, Class A
- CE and RoHs compliant

Environmental
- IP66 weatherproofing standard
- Operating temperature:
  - cold start: 0°C (32 °F) to +50°C (122 °F)
  - warm start: -20°C (-4 °F) to +50°C (122 °F)
- Storage temperature: -20°C (-4 °F) to +60°C (140 °F)
- Humidity: 0% to 90% (non condensing)

Mechanical
- Easily adjustable camera gimbal with 360° pan and 90° tilt
- Die-cast aluminum chassis with 4° polycarbonate dome bubble
- Total Unit dimensions:
  - Ø35.5 x 4.9 in (H), bubble only: Ø4.0 x 2.4 in (H)
  - Ø140.3 x 124.6 mm (H), bubble only: Ø102 x 61.8 mm (H)
  - 2.0 lbs (0.91 kg)

MegaDome™ Accessories:
MD-WMT: Wall Mount for MegaDome
MD-PMT: Pendant Mount for MegaDome

Lens:
Integrated 4-10mm Megapixel Varifocal Lens

Made in USA