**AV5155**

5 Megapixel H.264 IP MegaDome™ Camera

**AV5155 (Color)**  **AV5155DN (Day/Night)**

**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 version
- 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

**Unparalleled High Definition Resolution - 2592x1944**
- Fifteen times the resolution of IP VGA or analog cameras

**Fastest MegaPixel Image Rates**
- Up to 9fps in 5 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

The AV5155 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 2592x1944 megapixel resolution at full video frame rates of 9fps. 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.

Learn more about our products at [www.arecontvision.com](http://www.arecontvision.com)
Model Numbers:
AV5155 - Color
AV5155DN - Day/Night

Imaging
- 5 megapixel CMOS image sensor
- 2592(H) x 1944(V) pixel array
- 1/2.5" optical format
- 2.2 μm pixel pitch
- Bayer mosaic RGB filter
- Minimum illumination of:
  - Color: 0.3 Lux @ F1.4
  - Day/Night: 0 Lux, IR sensitive
- Dynamic range 60 dB
- Maximum SNR 45 dB

Full Field of View (FOV) Resolutions
- 2592(H)x1944(V) 5 megapixel
- 1296(H)x968(V) 1/4 resolution

Cropped Field of View Resolutions
- 2048x1536 3 MP
- 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:
  - 9fps @ 2592x1944
  - 12fps @ 2560x1600
  - 15fps @ 2048x1536
  - 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

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:
  - Ø5.5 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