

AV8185

8 Megapixel 180° Panoramic H.264 IP-camera



H.264 Surround Video® Series

Arecont Vision Advantages:

H.264 (MPEG4, Part 10) Compression Standard

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

World's First H.264 Panoramic Megapixel Cameras

- 8 megapixel 180° field of view

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

High Definition Panoramic 180° Imaging

- No de-warping software required

Unparalleled High Definition Resolution - 1600 x 1200

- Resolution up to 1600(H) x 1200(V) per sensor
- Total resolution: 6400(H) x 1200(V) - (4 x 2 MP)
- Substitute up to twenty-four analog cameras

Fastest MegaPixel Image Rates

- Up to 22fps per channel

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

Other key features:

- Moonlight™ Mode - extended exposure and proprietary noise cancellation
- Up to four regions of interest for simultaneous panoramic and digital PTZ viewing and recording
- Image cropping to discard unnecessary scene and more

The AV8185 network camera is a part of Arecont Vision's full line of H.264 megapixel cameras. This fully compliant implementation of H.264 (MPEG 4, Part 10) is capable of sustaining over 80 billion operations per second and maintaining full motion progressive scan 1600 x 1200 video at 22 fps. Part of the SurroundVideo® line of cameras, it offers bandwidth and storage efficiency of 10X greater on average over MJPEG counterparts.

Learn more about our products at www.arecontvision.com

Model Numbers:

AV8185

AV8185: 180° Field of View

Imaging

- Four 2 megapixel CMOS image sensors
- 1600(H) x 1200(V) pixel array each sensor
- 1/2" optical format
- Bayer mosaic RGB filter
- Sensitivity 0.2 Lux @ F2.0
- Dynamic range 61 dB
- Maximum SNR 50 dB
- Moonlight™ mode - extended exposure and proprietary noise cancellation

Full Field of View (FOV) Resolutions

- 1600(H)x1200(V) x 4 8 megapixel total
- 800(H)x600(V) x 4 2 MP total (1/4 resolution)

Data Transmission

- Video frame rate up to:
 - 88 fps @ 800x600
 - 22 fps @ 1600x1200
 - 5.5 fps @ 6400x1200
- Compression type
 - H.264 (MPEG4, Part 10)
 - Motion JPEG
 - 21 levels of quality
- TFTP, HTTP, RTSP, RTP/TCP, RTP/UDP 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 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
- Programmable backlight compensation
- Auto multi-matrix white balance
- 50/60Hz selectable flicker control
- Electronic pan, tilt, zoom (PTZ)
- Electronic image rotation - upside-down image turn
- Resolution windowing down to 32x32 pixels window
- Programmable motion blurring control for low-light mode
- Moonlight™ mode - extended exposure and proprietary noise cancellation
- Programmable resolution, brightness, saturation, gamma, sharpness, tint
- Up to four regions of interest for simultaneous panoramic and digital PTZ viewing and recording

Electrical

- General purpose opto-coupled input and output
- Power over Ethernet (PoE): PoE 802.3af
- Auxiliary power: 12-48VDC and 24VAC
- Power consumption 9 Watts maximum

Regulatory Approvals

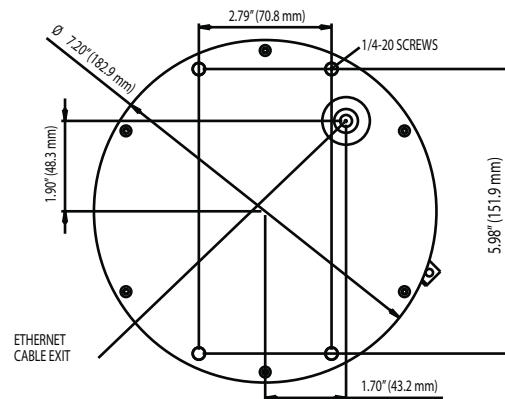
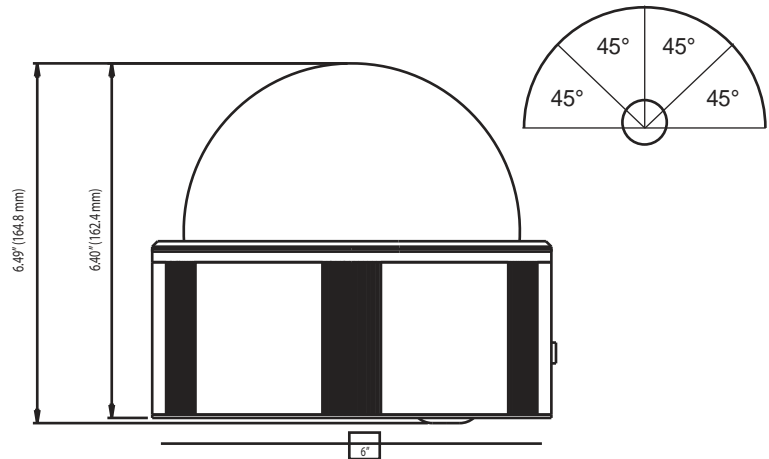
- FCC, CE and RoHS compliant

Mechanical

- 6.49"(H) (164.8mm) x 6.0" dia. (152.4mm)
- 4 pounds or 1815 grams

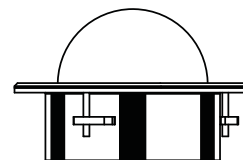
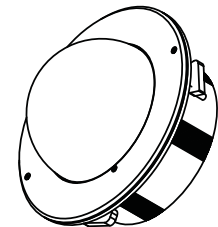
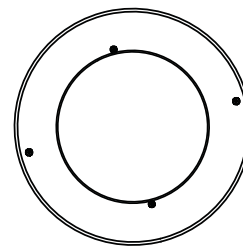
Environmental

- 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)



Accessories:

- Dome 6-I-C Indoor 6" Pendant Dome, Ceiling Mount
- Dome 6-I-W Indoor 6" Pendant Dome, Wall Mount
- Dome 6-O-C Outdoor 6" Pendant Dome, Ceiling Mount
- Dome 6-O-W Outdoor 6" Pendant Dome, Wall Mount
- RD-KIT Recessed Dome Ring Kit
- D6-CMA Corner Mount Adapter
- D6-PMA Pole Mount Adapter



Recessed Dome Ring Kit

Arecont Vision
megapixel technology...
beyond imagination

Revised on 12/10/09