

SurroundVideo®

Panoramic Megapixel IP Cameras

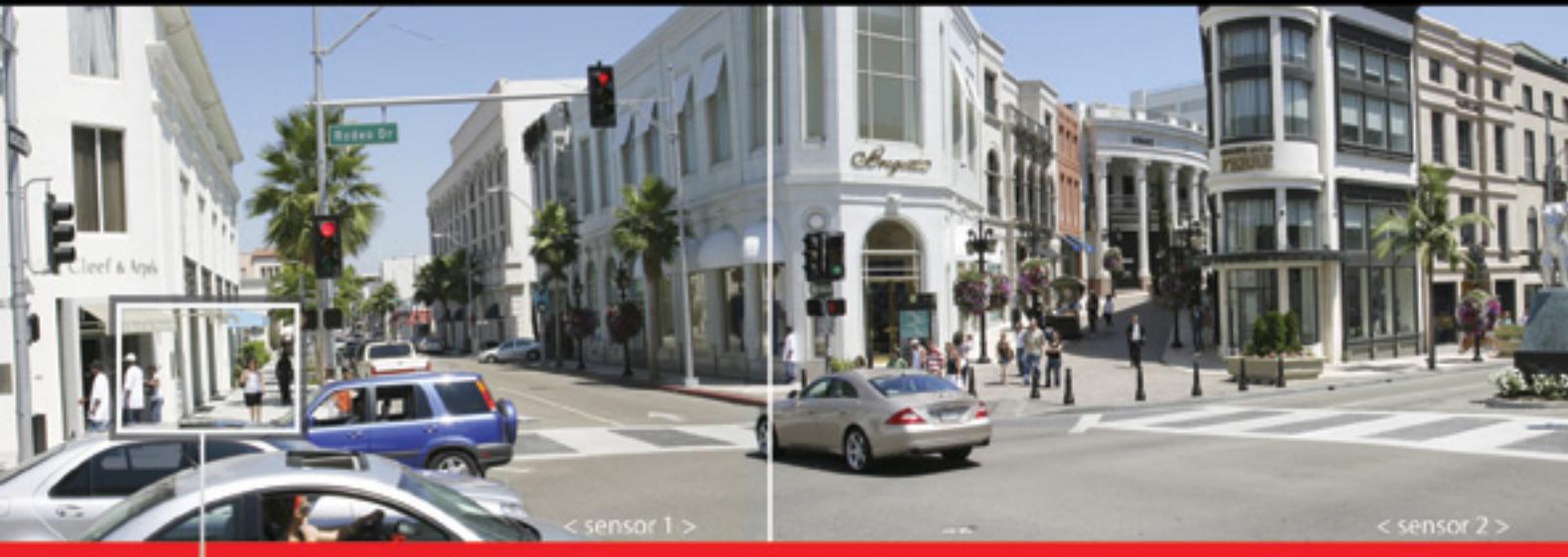


www.arecontvision.com

AV8180



180° Field of View | High Definition | 8 Megapixel Camera



180° SurroundVideo® camera images with selectable Region of Interest (ROI) zones for optimized bandwidth



Real-time, high definition digital video surveillance with 24x the resolution of analog surveillance cameras.

Unique SurroundVideo® 8-megapixel network cameras deliver full motion 180° or 360° panoramas. Compact 6" dome design incorporates four 2 megapixel sensors, dramatically reducing total installation cost.

HIGH RESOLUTION & FULL MOTION

AV8180 and AV8360 network cameras leverage proprietary massively-parallel image processing technologies SurroundVideo® and MegaVideo® and deliver full motion, progressive scan panoramic video over four 1600x1200 channels at 22 fps.

COST EFFICIENCY

High resolution and crystal clear imagery allow a single SurroundVideo® camera to replace up to 24 analog cameras, substantially reducing the total cost of installation. Compact 6" dome has a single external cable that carries both power and video using Power-over-Ethernet (POE) technology.

NO-MOVING-PARTS INSTANTANEOUS 180° OR 360° PAN TILT ZOOM (PTZ)

Super high resolution of AV8360 and AV8180 allows efficient no-moving-parts zoom windows to be instantly re-positioned across the entire panorama. These zoom windows are delivered as separate video streams simultaneously with the complete full field of view panoramic video, thus eliminating the trade-off between magnification and area coverage as well as avoiding costly and unreliable electro-mechanical PTZ.

AV8180: 180° Field of View



AV8360: 360° Field of View



Ultra-compact design incorporates four 2 megapixel sensors for full 180° or 360° coverage.

360° Field of View | High Definition | 8 Megapixel Camera



AV8360



Power over Ethernet

Power for the camera is drawn from the network, reducing cabling requirements and installation costs.



The user can simultaneously view both full field-of-view and multiple regions of interest.

EASY INSTALLATION

Arecont Vision cameras can be connected like any other device on a network.

BANDWIDTH OPTIMIZATION

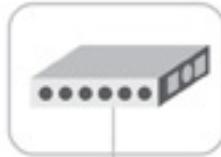
User-selectable viewing resolution allows video stream to be viewed over minimal bandwidth. If an alert situation occurs, image can be switched to high resolution mode.

USER INTERFACE

Onboard interface provide for control of Region-of-Interest zones, image cropping, motion detection, and user access.

REDUCED SYSTEM COSTS

A single Arecont Vision SurroundVideo® camera replaces 24 analog cameras.



Power over Ethernet

Power for the camera is drawn from the network, reducing cabling requirements and installation costs.



Local Area Network

Real-time viewing, archive storage and playback.



Internet

Real-time viewing/playback with selectable resolution.



FORENSIC ZOOMING

Playback of high-resolution digital archives allows "zoom-after-event" on any object in the field of view, eliminating the need for manned installations.

User selectable Region of Interest (ROI) allows users to set the resolution of defined zones in a video stream, reducing image size and required bandwidth.

EFFICIENT BANDWIDTH MANAGEMENT

Efficient bandwidth utilization is supported via user-selectable regions of interest (ROI). The reduction of overall storage and bandwidth requirements may be achieved by selecting up to 4 regions of interest with independent control of resolution and compression quality for each of the selected regions.



360° SurroundVideo® camera images with selectable Region of Interest (ROI) zones for optimized bandwidth



AV8360

AV8180

Arecont Vision manufactures the world's fastest HDTV network cameras in discreet, low profile 6" dome designs.

Imaging

Four 2 megapixel CMOS image sensors
1600(H) x 1200(V) pixel array per sensor
 $\frac{1}{2}$ " optical format
Sensitivity 0.2 lux @ F2.0
Moonlight™ Mode - extended exposure with proprietary noise cancellation

Data Transmission

Data rate up to 55Mbps
Video frame rate (all four channels in parallel):
88 fps @ 800 x 600 or 22 fps @ 1600 x 1200
Motion JPEG with 21 levels of quality
100Base-T Ethernet network interface

Programmability (independent for each channel)

Auto exposure (AE) and gain control (AGC) >120dB

- Auto backlight compensation
- Auto multi-matrix white balance

50/60Hz selectable flicker control
Electronic pan, tilt, zoom (PTZ)
Electronic image rotation - 180° flip
Programmable shutter to minimize motion blurring for low-light mode
Pictures-in-picture: simultaneous delivery of full field of view and zoomed images

Electrical

Power over Ethernet (POE) IEEE 802.3af or DC Input
Power consumption 7.8 watts maximum

Regulatory Approvals

FCC/CE/RoHS compliant

Mechanical

4lb or 1815 grams

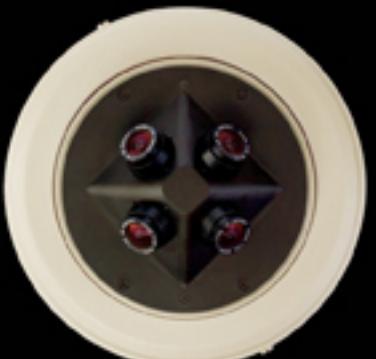
Environmental

Operating temperature 0°C (32°F) to +50°C (122°F)

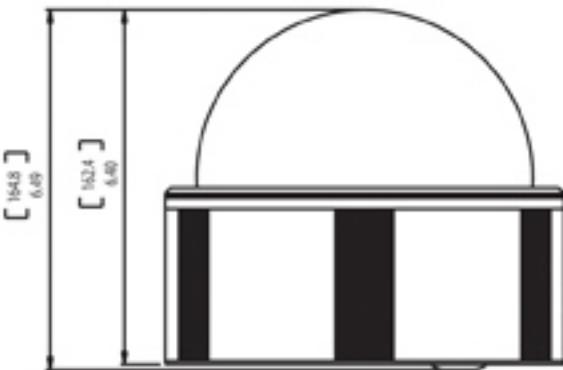
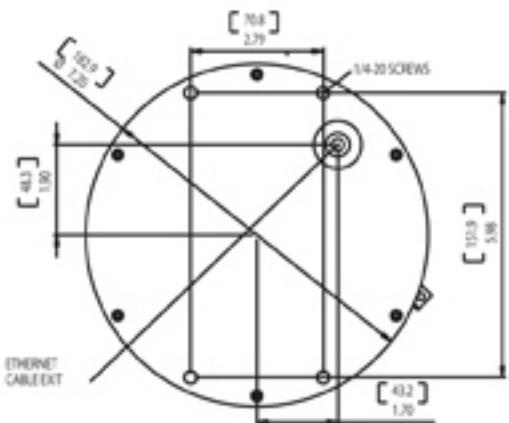
Note: Arecont Vision reserves the right to change products or specifications without notice.



Arecont Vision SurroundVideo® camera installed in outdoor heater/blower enclosure.



View of AV8360 camera showing four 2 megapixel camera channels.



The SurroundVideo® AV8180 and AV8360 panoramic cameras deliver full motion HDTV resolution at analog prices.

AV8180 / AV8360

Panoramic 8 Megapixel IP Video

SurroundVideo® cameras

have 24 times the resolution

of analog cameras and offer

dramatically lower cost per

unit area under surveillance.

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