

Arecont Vision SurroundVideo®

AV8180
AV8360

Panoramic 8 Megapixel IP Video



SurroundVideo® cameras
have 24 times the resolution
of analog cameras and offer
dramatically lower cost per
area under surveillance.



AV8180



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



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

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 INSTANTENEOUS 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.

FORENSIC ZOOMING

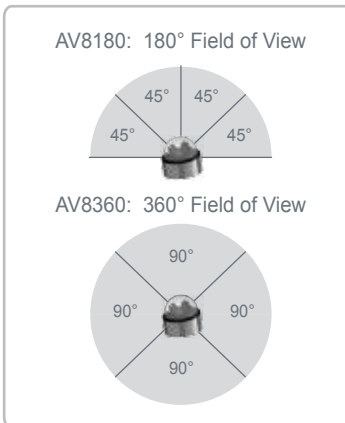
Playback of high-resolution digital archives allows “zoom-after-event” on any object in the field of view, eliminating the need for manned installations.

EFFICIENT BANDWIDTH MANAGEMENT

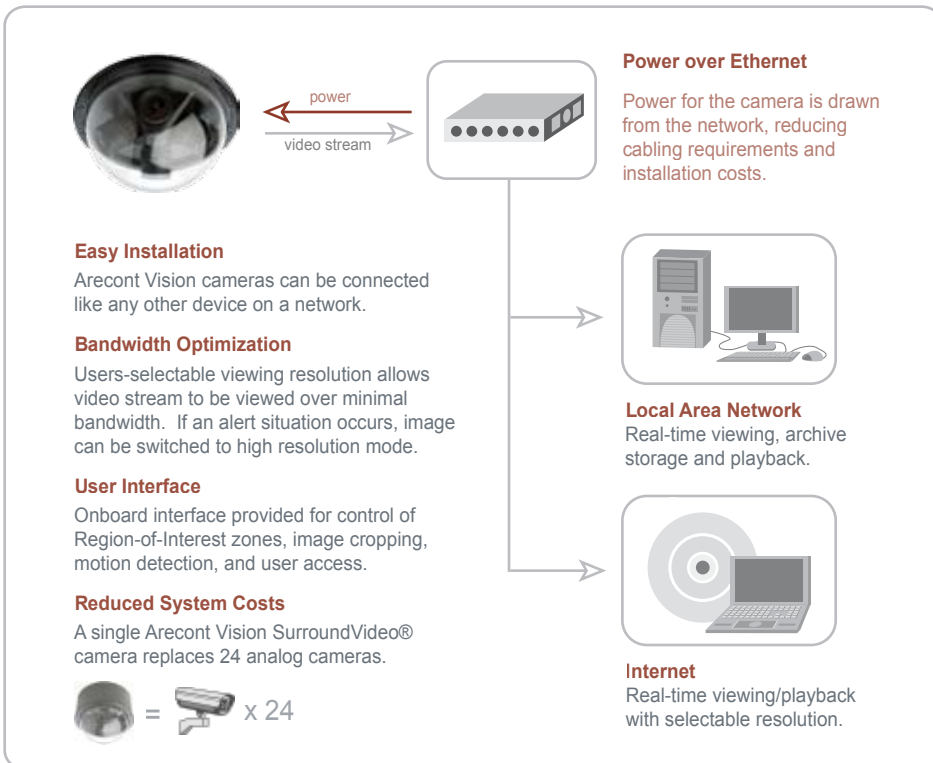
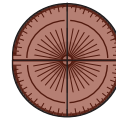
Efficient bandwidth utilization is supported via user-selectable regions of interest (ROI). The reduction of overall storage and bandwidth requirements may be achieved by selecting up to 4 regions of interest with independent control of resolution and compression quality for each of the selected regions.



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



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

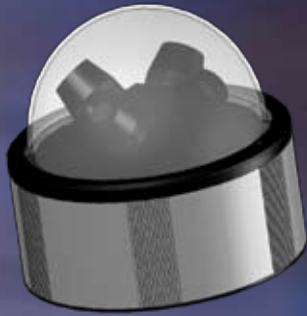


The user can simultaneously view both full field-of-view and multiple regions of interest.

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.



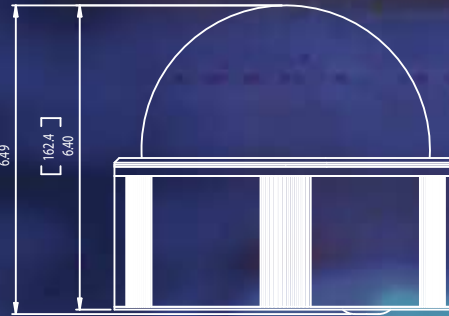
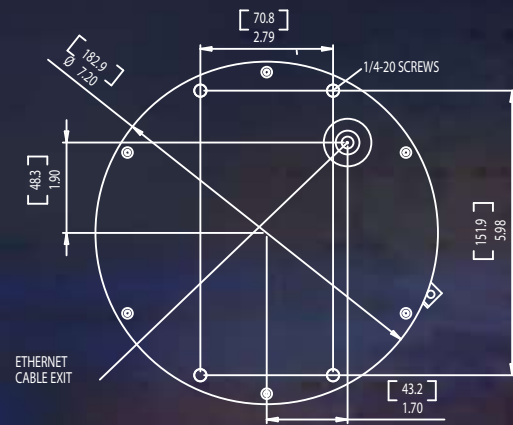
360° SurroundVideo® camera images with selectable Region of Interest (ROI) zones for optimized bandwidth



AV8360



AV8180



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

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

Imaging

Four 2 megapixel CMOS image sensors
 1600(H) x 1200(V) pixel array each sensor
 1/2" optical format
 Sensitivity 0.2 lux @ F2.0
 Moonlight™ Mode - extended exposure and 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 - up-side down image turn
 Programmable motion blurring control 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 6 watts maximum

Regulatory Approvals

FCC and CE compliant

**Mechanical/
 Environmental**

4lb or 1.8 Kg
 Operating Temperature 0°C to +50°C



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



View of AV8360 camera showing four 2 megapixel camera channels.

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