



AV5100

- 5 Mpixel IP-camera sensitive to 0.3 lux @ F1.4
- Frame Rate 15 fps @ Resolution 2,560 x 1,600

The AV-5100 offers cinema compatible frame rates to allow real time high definition digital video surveillance with 15 times the resolution of the best analog surveillance cameras.



ULTRA HIGH RESOLUTION & FULL MOTION: AV5100 network camera delivers full motion progressive scan 2560 x 1600 video at 15 fps featuring massively-parallel MegaVideo® image processing architecture capable of sustaining over 6 billion operations per second.

ULTRA COST EFFICIENCY: High resolution and crystal clear imagery allows the AV5100 to substitute up to fifteen analog cameras; thereby reducing the total cost of installation. No need to supply a separate power source since the power can be drawn from a low cost Power-over-Ethernet switch.

ULTRA FORENSIC ZOOMING: AV5100 surveillance system has the ability to zoom after the event from high resolutions digital archives and the simultaneous viewing of zoomed and full field of view images.



**Day or Night
MegaVideo® Technology
Delivers Full Motion
HDTV Resolution
at NTSC Price**



Images are taken with **COMPUTAR MEGAPIXEL LENS**
25mm focal length



AV5100 Camera Specification

Imaging

- 5 Megapixel CMOS Image Sensor

- 2592(H) x 1944(V) pixel array
- ½" optical format
- 2.2 µm pixel pitch
- Bayer mosaic RGB filter
- Sensitivity 0.3 lux @ F1.4
- Dynamic Range 60 dB
- Maximum SNR 41 dB

Data Transmission

- Data Rate up to 55Mbps
- Video Frame Rate up to 15 fps @ 2560x1600
- Motion JPEG with 21 levels of quality
- TFTP and HTTP Transmission Protocol
- 100Base-T Ethernet Network Interface

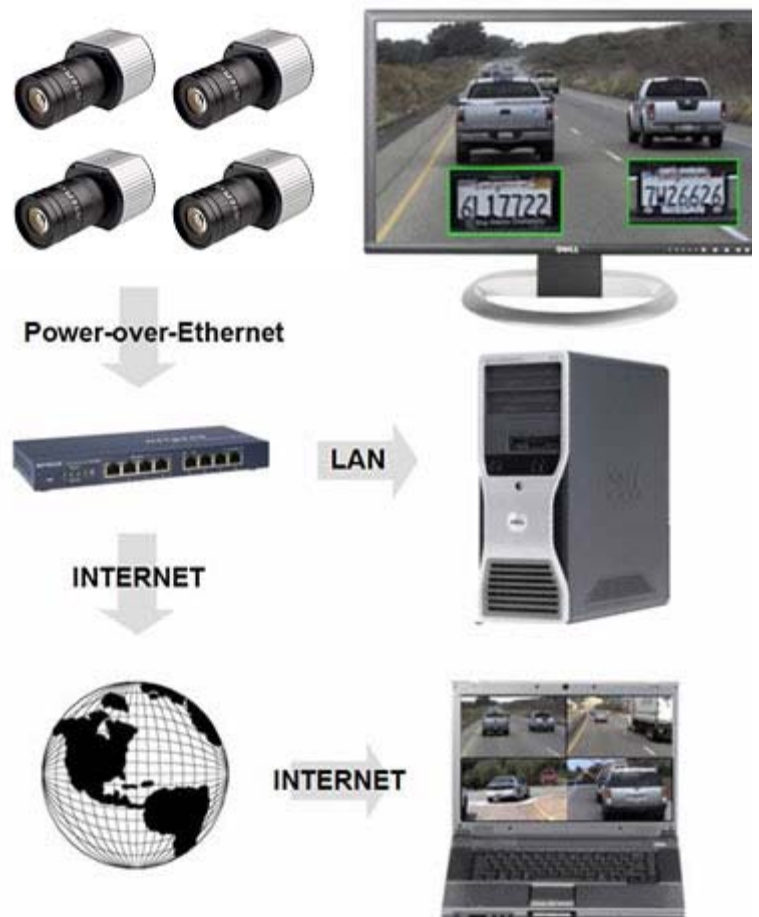
Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- Auto Backlight Compensation
- Auto Multi-Matrix White Balance
- 50/60Hz selectable Flicker Control
- Electronic Zoom, Pan & Tilt (PTZ)
- Electronic Image Rotation - up-side down image turn (mirror)
- Resolution windowing down to 32x32 pixels window
- Programmable Motion Blurring Control for Low-Light Mode
- Programmable Resolution, Brightness, Saturation, Gamma, Sharpness, Tint
- Picture-In-Picture: Simultaneous delivery of full field of view and zoomed images

Electrical

- Power over Ethernet (POE) or DC Input
- Compatible with IEEE 802.3af POE equipment
- 9V – 12VDC (2.1mm x 5.5mm, center positive)
- Power Consumption 5 Watts maximum

Regulatory Approvals



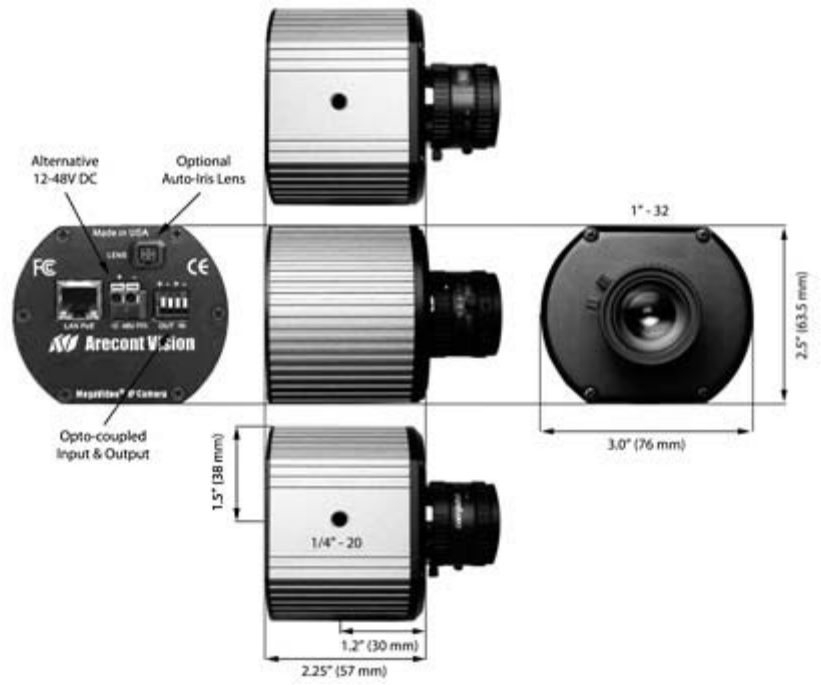
- FCC Part 15, Class B
- CE compliant

Mechanical

- 3"W x 2.5"H x 2.25 "D (w/o lens)
- 1lb or 450 grams (w/o lens)
- C/CS Lens Mount (w/o lens)

Environmental

- Operating Temperature 0°C to +50°C
- Storage Temperature -20°C to +60°C
- Humidity 0% to 90% (non condensing)



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