

## AV2100

**2 Mpixel IP-camera sensitive to 0.1 lux @ F1.4**  
**Frame Rate 24 fps @ Resolution 1,600 x 1,200**

The AV-2100 offers cinema compatible high frame rates to allow real time high definition digital video surveillance with 6 times the resolution of the best analogue surveillance cameras.

### Features:

One of the latest additions to MegaVideo™ product line, the AV2100 leverages proprietary patent-pending technology and alleviates the cost and frame rate shortcomings associated with multi-megapixel video surveillance

The AV2100 supports compliant Power-over-Ethernet (POE) and auto-iris control functionality. The camera delivers full motion HDTV progressive scan resolution and is priced comparably to analogue video cameras

The world's fastest IP-video systems are based on proprietary massively-parallel MegaVideo™ technology and take advantage of unique functionality unavailable with analogue cameras.

AV2100 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.



### AV2100 Camera Specification

#### Imaging

- 2 Megapixel CMOS Image Sensor
- 1600(H) x 1200(V) pixel array
- ½" optical format
- 4.2 µm pixel pitch
- Bayer mosaic RGB filter
- Sensitivity 0.1 lux @ F1.4
- Dynamic Range 60 dB
- Maximum SNR 45 dB

#### Data Transmission

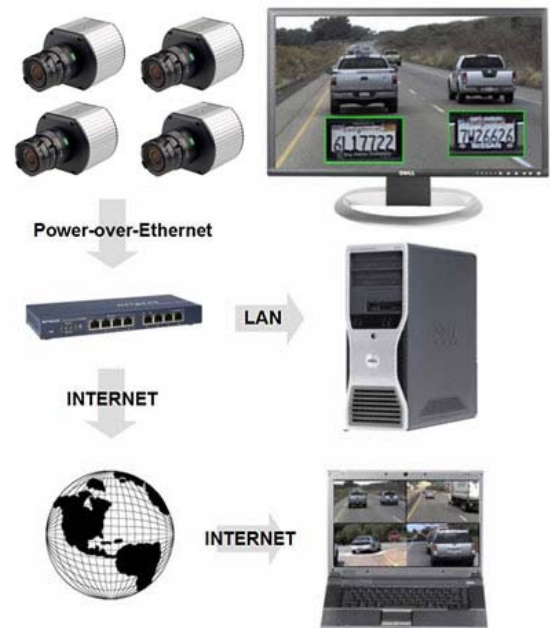
- Data Rate up to 45Mbps
- Video Frame Rate up to 24 fps @ 1600 x1200
- Motion JPEG with 22 levels of quality
- TFTP Transmission Protocol
- 100Base-TX Ethernet Network Interface

#### 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, centre positive)
- Power Consumption 4 Watts maximum



#### Regulatory Approvals

- FCC Part 15, Class A
- CE compliant

#### Mechanical

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

#### Environmental

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

### ICU Digital

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