

AV3100

3 Megapixel IP camera sensitive to 0.2 lux @ F1.4
Frame Rate 22 fps @ Resolution 1,920 x 1,080

The AV-3100 offers cinema compatible frame rates to allow real time high definition digital video surveillance with 10 times the resolution of the best analogue surveillance cameras.

Features:

One of the latest additions to MegaVideo™ product line, the AV3100 leverages proprietary patent-pending technology and alleviates the cost and frame rate shortcomings associated with multi-megapixel video surveillance

The AV3100 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.

AV3100 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.



AV3100 Camera Specification

Imaging

- 3 Megapixel CMOS Image Sensor
- 2040(H) x 1530(V) pixel array
- ½" optical format
- 3.2 µm pixel pitch
- Bayer mosaic RGB filter
- Sensitivity 0.2 lux @ F1.4
- Dynamic Range 60 dB
- Maximum SNR 45 dB

Data Transmission

- Data Rate up to 45Mbps
- Video Frame Rate up to 20 fps @ 1920x1200
- 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)

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