

AV5100

5 Megapixel 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 analogue surveillance cameras.

Features:

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 analogue 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.



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, centre 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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