

AV3130

Sensitivity from 0.015 lux to 100,000 lux
Frame Rate 20 fps @ Resolution 1,920 x 1,200

Multi-sensor DayNight™ AV3130, the newest addition to MegaVideo™ product line, leverages proprietary patent-pending technology and alleviates the cost and sensitivity shortcomings associated with multi-megapixel video surveillance.

Features:

ULTRA HIGH RESOLUTION & FULL MOTION

AV3130 network camera delivers full motion progressive scan 1920 x 1200 video at 20 fps featuring massively-parallel MegaVideo™ image processing architecture capable of sustaining over 6 billion operations per second.

SUPERIOR ILLUMINATION RANGE & SENSITIVITY

While sophisticated conventional cameras improve low-light sensitivity by mechanically removing the IR filter, the AV3130 uses DualBand™ technology that seamlessly switches to optimized monochrome sensor in low light, avoiding sensitivity drop-off due to colour filters and small pixels and accommodating 10,000,000:1 range of scene illuminations, from bright sunlight to cloudy moonlight.

GREAT COST EFFICIENCY

Unique AV3130 architecture enables the delivery of HDTV resolution at NTSC price. Power-over-Ethernet capability of AV3130 allows the use of just one cable for both data and power transmission, greatly reducing installation costs. As a result the AV3130 represents cost-comparable but vastly superior alternative to analogue video.

EXCELLENT SYSTEM RELIABILITY & FUNCTIONALITY

AV3130 has no moving mechanical parts and is complemented by state-of-the-art surveillance software capable of live image acquisition and display from multiple cameras, policy-based digital archiving and video redistribution across local and wide area networks.



AV1300 Camera Specification

Imaging

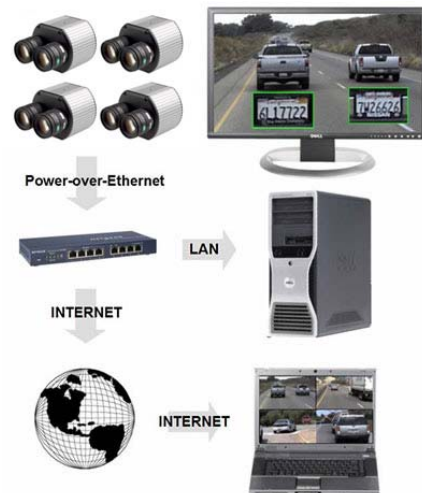
- 1.3 Megapixel CMOS Image Sensor
- 1280(H) x 1024(V) pixel array
- ½" optical format
- 4.2 µm pixel pitch
- Bayer mosaic RGB filter
- Sensitivity 0.1 lux @ F1.4
- Dynamic Range 60 dB
- Maximum SNR 45 dB

Data Transmission

- Data Rate up to 45Mbps
- Video Frame Rate up to 30 fps @ 1280x1024
- 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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