



Arecont Vision

Megapixel IP Cameras

Sensitivity from 0.01 lux to 100,000 lux

Frame Rate 20 fps @ Resolution 1,920 x 1,200

Multi-sensor DayNight™ AV3130M leverages proprietary patent-pending technology and alleviates the cost and sensitivity shortcomings associated with multi-megapixel video surveillance.

- **SUPERB HIGH RESOLUTION & FULL MOTION:** AV3130M 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.
- **SUPERB ILLUMINATION RANGE & SENSITIVITY:** While sophisticated conventional cameras improve low-light sensitivity by mechanically removing the IR filter, the AV3130M uses DualBand™ technology that seamlessly switches to optimized monochrome sensor in low light. Sensitivity drop-off due to color filters and small pixels and accommodating 10,000,000:1 range of scene illuminations this eliminates from bright sunlight to cloudy moonlight.
- **SUPERB SYSTEM RELIABILITY & FUNCTIONALITY:** AV3130M 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.
- **SUPERB COST EFFICIENCY:** High resolution and crystal clear imagery allows the AV3130M to substitute up to ten 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.
- **ONBOARD MOTION DETECTION:** Onboard real-time motion detection with size and sensitivity controls for up to 64 separate motion detection zones.



daynight
MegaVideo® Technology Delivers Full Motion
HDTV Resolution at NTSC Price



Model Numbers

- AV3130M
Dualband™
3/1.3 Megapixel Camera

Imaging

- 3 Mpixel Color 2048(H) x 1536(V)
- 1.3 Mpixel Monochrome 1280(H) x 1024(V)
- ½" CMOS Optical Format Each
- Bayer Mosaic RGB Filter
- Sensitivity 0.01 lux @ F1.4
- Dynamic Range 60 dB
- Maximum SNR 45 dB

Data Transmission

- Data Rate up to 55Mbps
- Video Frame Rate up to:
 - 15 fps @ 2048x1536
 - 20 fps @ 1920x1200
 - 30 fps @ 1280x1024
- Motion JPEG with 20 Levels of Quality
- TFTP & HTTP Image Transmission Protocols
- 100Base-T Ethernet Network Interface

Programmability

- Auto Day-Night Switch from Monochrome to Color
- Auto Exposure (AE) and Gain Control (AGC) >120dB
- On Camera Motion Detection with 64 Detection Zones
- Auto Backlight Compensation
- Auto Multi-Matrix White Balance
- 50/60Hz Selectable Flicker Control
- Electronic Pan, Tilt, Zoom (PTZ)
- Electronic Image Rotation - Up-Side down Image Turn
- Resolution Windowing Down to 32x32 Pixels Window
- Programmable Motion Blurring Control for Low-Light Mode
- Programmable Resolution, Brightness, Saturation, Gamma, Sharpness, Tint
- Pictures-In-Picture: Simultaneous Delivery of Full Field of View and Zoomed
- Bandwidth & Storage Savings by Running at 1/4 resolution

Electrical

- Opto-Coupled Alarm Input, Opto-Coupled Alarm and Flash Sync Output
- Power Over Ethernet (PoE) or DC Input
- PoE 802.3af/Auxiliary 12V-48V DC
- Power Consumption 3.5 Watts Maximum

Regulatory Approvals

- FCC and CE compliant

Mechanical

- 3"Wx2.5"Hx2.25"D (w/o lens)
- 8.6 oz or 243 grams (w/o lens)
- Dual C/CS Lens Mount

Environmental

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

