

Arecont Vision MegaVideo® AV3130M Network Camera

AV3130M



- 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.

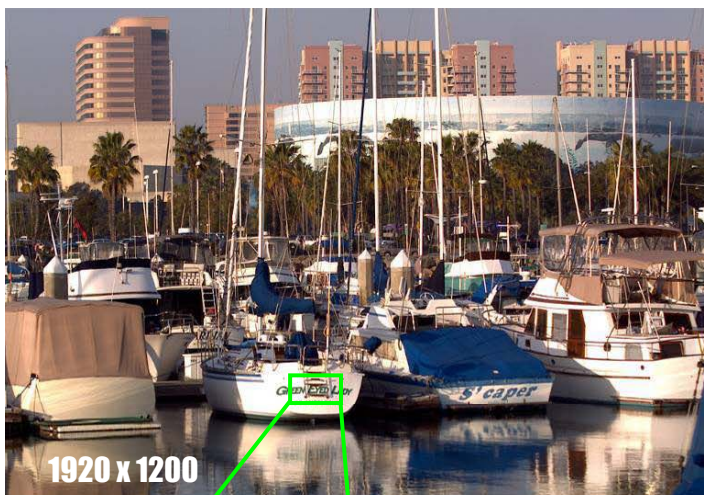
- **SUPERB HIGH RESOLUTION & FULL MOTION:** AV3130M network camera delivers full motion progressive scan 1920 x 1200 video at 20 fps featuring massively-parallel MegaVideo® image processing architecture capable of sustaining over 6 billion operations per second.

- **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, avoiding sensitivity drop-off due to color filters and small pixels and accommodating 10,000,000:1 range of scene illuminations, 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.

- **EXCELLENT MOTION DETECTION:** Onboard real-time motion detection with size and sensitivity controls for up to 64 separate motion detection zones.



Day or Night
MegaVideo® Technology
Delivers Full Motion
HDTV Resolution
at NTSC Price



Arecont Vision

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AV3130M CAMERA SPECIFICATION

Imaging

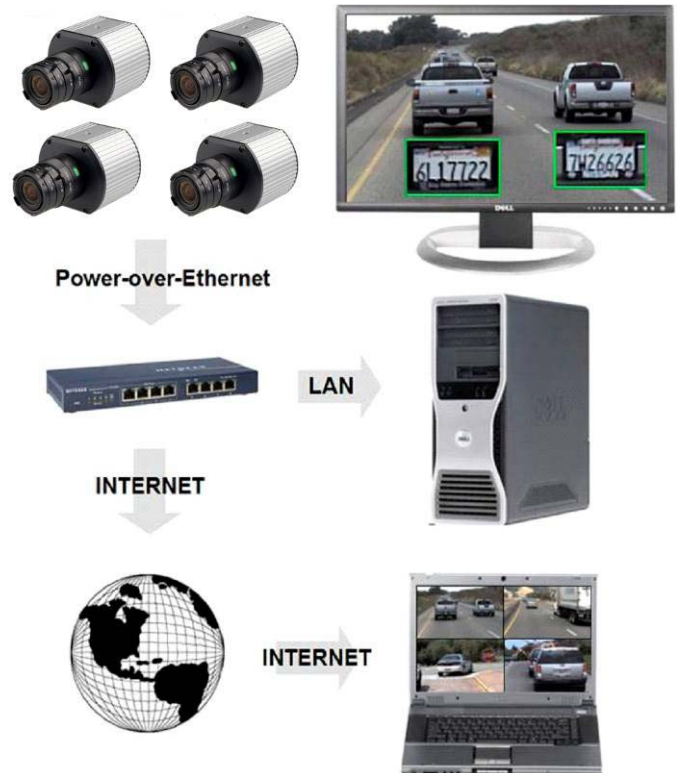
- 1/2" CMOS Image Sensors:
 - 3 Mpixel Color 2048(H) x 1536(V)
 - 1.3 Mpixel Monochrome 1280(H) x 1024(V)
- Bayer mosaic RGB filter
- Sensitivity 0.01 lux @ F1.4
- Dynamic Range 60 dB
- Maximum SNR 45 dB

Data Transmission

- Data Rate up to 55Mbps
- Video Frame Rate up to:
 - 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 images



Electrical

- Opto-coupled alarm input, Opto-coupled alarm output
- Power over Ethernet (PoE) or DC Input
- PoE 802.3af / auxiliary 12V - 48V DC
- Power Consumption 3.5 Watts maximum

Regulatory Approvals

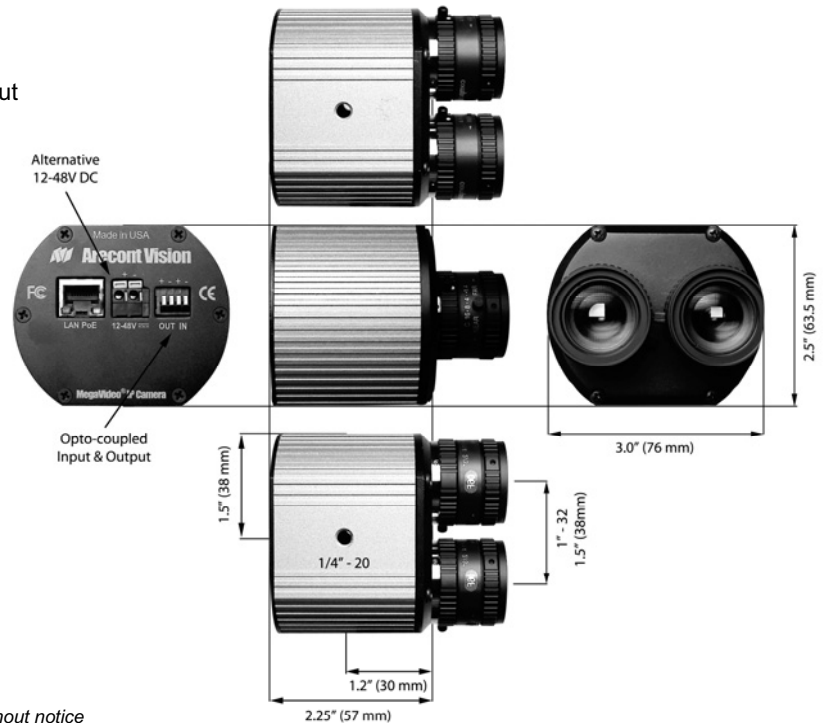
- FCC Part 15, Class B
- CE compliant

Mechanical

- 3"W x 2.5"H x 2.25"D (w/o lens)
- 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)



Arecont Vision reserves the right to change products or specifications without notice