

# Arecont Vision MegaVideo® AV1300M Network Camera

# AV1300M

- **1.3 Mpixel IP-camera sensitive to 0.1 lux @ F 1.4**
- **Frame Rate 30 fps @ Resolution 1,280 x 1,024**

The AV-1300M offers same frame rate as NTSC and real time high definition digital video surveillance with 4 times the resolution of the best analog surveillance cameras

- **HIGH RESOLUTION & FULL MOTION:** AV1300M network camera delivers full motion progressive scan 1280 x 1024 video at 30 fps featuring massively-parallel MegaVideo® image processing architecture capable of sustaining over 6 billion operations per second.

- **COST EFFICIENCY:** High resolution and crystal clear imagery allows the AV1300M to substitute up to three 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.

- **FORENSIC ZOOMING:** AV1300M 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.

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



1280 x 1024

Full Motion  
30 Frames per Second

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



1280 x 1024



Arecont Vision

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# AV1300M CAMERA SPECIFICATION

# Arecont Vision MegaVideo® AV1300M Network Camera

## Imaging

- 1.3 Megapixel CMOS Image Sensor
- 1280(H) x 1024(V) pixel array
- 1/2" 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 55Mbps
- Video Frame Rate up to 30 fps @ 1280 x1024
- Motion JPEG with 20 levels of quality
- TFTP and HTTP Image Transmission Protocols
- 100Base-T Ethernet Network Interface

## Programmability

- Auto Exposure (AE) and Gain Control (AGC) >120dB
- Auto Backlight Compensation
- On Camera Motion Detection with 64 detection zones
- 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
- MoonLight™ Mode – extended exposure and proprietary noise cancellation
- 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 and flash sync output
- Power over Ethernet (PoE) or DC Input
- PoE 802.3af / auxiliary 12V - 48V DC
- Power Consumption 3 Watts maximum

## Regulatory Approvals

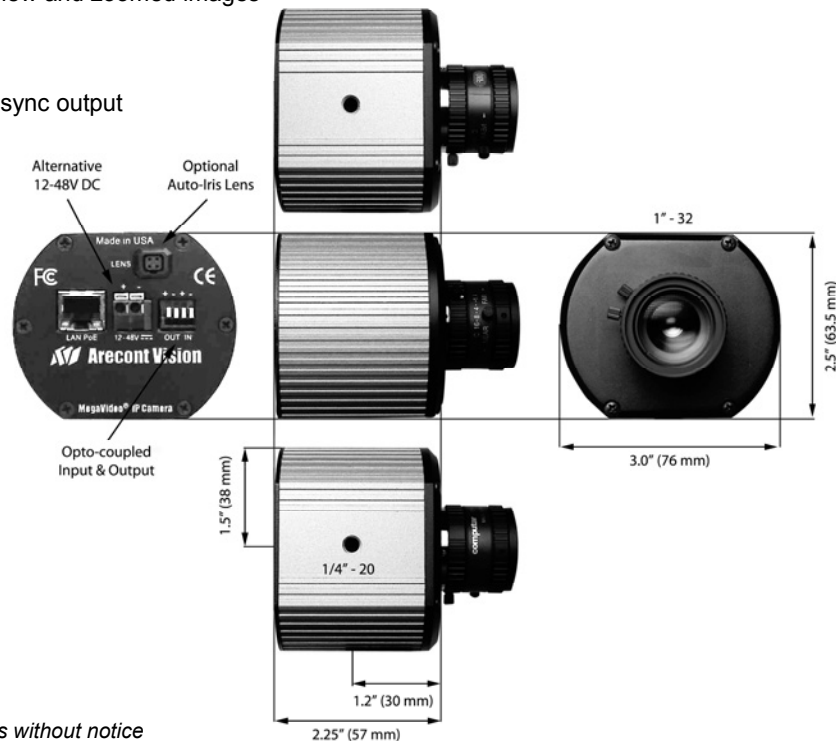
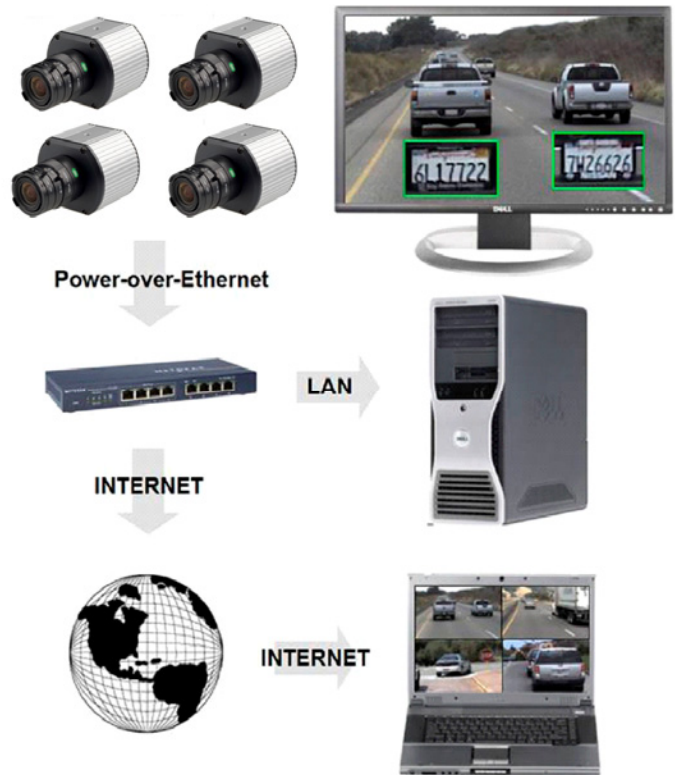
- FCC Part 15, Class B
- CE compliant

## Mechanical

- 3"W x 2.5"H x 2.25"D (w/o lens)
- 8.6 oz or 243 grams (w/o lens)
- 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