

MP3-DN

THREE MEGA PIXEL DAY/NIGHT IP CAMERA

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

Multi-sensor DayNight MP3DN leverages proprietary patent-pending technology and alleviates the cost and sensitivity shortcomings associated with multi-megapixel video surveillance.

- **Ultra-High Resolution and Full Motion.** Full-motion progressive scan 1920 x 1200 video at 20 fps featuring image processing architecture capable of sustaining over 6 billion operations per second.
- **Superior Illumination Range and Sensitivity.** Seamlessly switches to optimized monochrome sensor in low light, avoiding sensitivity drop-off due to color filters and small pixels. Accommodates 10,000,000:1 range of scene illuminations.
- **Great Cost Efficiency.** Architecture enables delivery of HDTV resolution at NTSC price. Power-Over-Ethernet allows the use of one cable for both data and power transmission, greatly reducing installation costs, representing a cost-comparable but vastly superior alternative to analog video.
- **Excellent System Reliability and Functionality.** No moving mechanical parts, and 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.



Sensitivity from 0.01 lux to 100,000 lux

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



Night Mode



Day Mode



CAMERAS

SPECIFICATIONS

MP3-DN Megapixel IP Camera

THREE-MEGA PIXEL DAY/NIGHT IP CAMERA

IMAGING

CMOS Image Sensors:

3 Mpixel Color 2040(H) x 1530(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 45Mbps

Video Frame Rate up to:

20 fps @ 1920x1200

30 fps @ 1280x1024

Motion JPEG with 22 levels of quality

TFTP Transmission Protocol

100Base-TX Ethernet Network Interface

PROGRAMMABILITY

Auto Day-Night switch from Monochrome to Color

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, center positive)

Power Consumption 4.5 Watts maximum

REGULATORY APPROVALS

FCC Part 15, Class B

CE compliant

MECHANICAL

3"W x 2.5"H x 5"D (w/o lens)

1lb or 450 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)

CBC America reserves the right to change products or specifications without notice

