Overview

A higher-resolution picture can make a big difference in security applications. Clearly read text, see a scene in crisp detail or enlarge images, and get higher resolution at a wider angle than traditional security cameras with the UltraView™ IP megapixel cameras, available in both 2-megapixel and 3-megapixel day/night models.

No matter how sharp traditional security cameras are, some applications require a high-resolution image. In retail or gaming environments, high resolution is a optimal choice for financial transaction monitoring. A high-resolution, wide-angle view can be ideal to observe traffic or read license plates, boat names and other text from a distance. Get more than six times the resolution of a traditional analog security camera with either a 3-megapixel high-resolution camera that switches from color to monochrome in low light, or a 2-megapixel color camera.

The UltraView IP megapixel cameras transmit video at a higher frame rate than many megapixel security options. Get 24 frames per second with the MP2 and 20 or 30, depending on resolution, with the MP3 camera.

View a sharp picture even in low light with the GEC-MP3-DN, which automatically moves from color to monochrome when light levels drop. From bright sunlight to cloudy moonlight, images are sharp and easy to see.

The UltraView IP megapixel cameras are cost effective because they can replace multiple analog cameras. As well, they can run off DC input or power over Ethernet and can be easily installed in any local or wide-area network. The megapixel cameras are compatible with major video management software.

Standard Features

- Record high-resolution images with a network camera
- Enlarge images to see detail when reviewing recorded video
- Full-motion, progressive-scan video: 1920 x 1200 at 20 frames per second
- Day/night model automatically switches from color to mono-chrome in low light
- MJPG compression with 21 levels of quality
- Easy to program for maximum flexibility in most applications

UltraView™ Cam IP

Megapixel Cameras

3 MP day/night and 2 MP high-resolution security cameras

Specifications

GEC-MP2

Image Sensor	CMOS
Pixels	2048 H x 1536 V (3 Mpixel color); 1280 H x 1024 V (1.3 Mpixel monochrome)
Bayer mosaic	RGB filter
Sensitivity	0.01 lux @ f1.4
Dynamic range	60 dB
Signal-to-noise ratio	45 dB max.
Data rate	Up to 55Mbps
Video frame rate	20 fps @ 1920 x 1200; 30 fps @ 1280 x 1024
Compression	Motion JPEG with 21 levels of quality
Transmission protocol	TFTP, HTTP
Network	100Base-T Ethernet

GEC-MP3-DN

Image Sensor	CMOS
Pixels	1600 H x 1200 V
Bayer mosaic	RGB filter
Sensitivity	0.5 lux @ f1.4
Dynamic range	60 dB
Signal-to-noise ratio	45 dB max.
Data rate	Up to 45Mbps
Video frame rate	Up to 24 fps @ 1160 x 1200
Compression	Motion JPEG with 22 levels of quality
Transmission protocol	TFTP
Network	100Base-T Ethernet

Regulatory

FCC, CE

Programmabillity

Auto day-night switch from monochrome to color (GEC-MP3-DN model only)

Auto Exposure (AE) and Gain Control (AGC) >120dB

Auto backlight compensation

Auto multi-matrix white balance

50/60Hz selectable flicker control

Electronic pan, tilt, zoom (PTZ)

Electronic image rotation—upside-down image turn

Resolution windowing down to 32 x 32 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

Power over Ethernet (POE) or DC Input

Compatible with IEEE 802.3af POE equipment

Voltage: 9 to 12 VDC (2.1 mm x 5.5 mm, center positive)
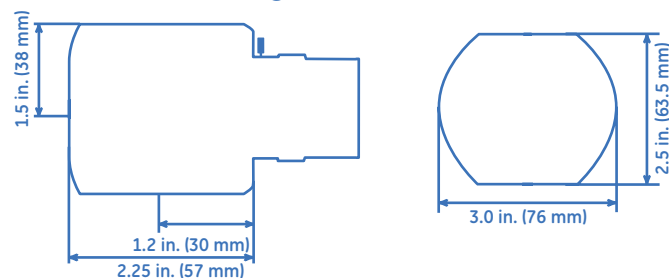
Power consumption: 4.5 W max. (GEC-MP2 4.0 W max.)

Environmental

Operating temperature: 32 to 122°F (0 to 50°C)

Storage temperature: -4 to 140°F (-20 to 60°C)

Humidity: 0 to 90% noncondensing

Physical

Dimensions (HxWxD), without lens: 2.5 x 3.0 x 5.0 in. (63.5 x 76 x 127 mm)

Weight, without lens: 1.0 lb. (450 g)

Dual C/CS lens mount

Ordering Information

GEC-MP2	2-megapixel security camera
GEC-MP3-DN	3-megapixel day/night security camera

Dimensional Diagrams

imagination at work