



## Description - High Sensitivity 1.4 megapixel CCD camera with GigE Interface

The 1.4 Megapixel GE1380 is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision\*). The GE1380 incorporates the incomparable Sony ICX285 CCD sensor providing high-sensitivity, low noise, and superb image quality. The GE1380 runs 20 frames per second at 1360x1024 resolution and even faster with region of interest readout. The GE1380 works with standard gigabit Ethernet hardware and cables and can have cable lengths up to 100 meters (300 ft) long using conventional Cat-5e or Cat-6 cabling. Applications for the GE1380 include industrial inspection, machine vision, microscopy, ophthalmology, fluorescence, aeronautical and aerospace, public security, surveillance, and traffic imaging.

\* GigE Vision standard. GigE Vision is a trademark of the Automated Imaging Association

### Features

- § Very sensitive - peak QE of 70%
- § High resolution - 1.4 megapixel (1360x1024)
- § Exceptional image quality
- § Sony IXC-285 2/3" Progressive scan CCD
- § Global shutter (Snapshot shutter)
- § Fast frame rate - 20 fps at full-resolution
- § Gigabit Ethernet interface
- § GigE Vision compliant
- § Long cables - up to 100 m on network cabling
- § Low noise - very low dark current
- § Region of Interest readout (AOI partial scan)
- § Binning modes
- § Software development kit
- § Asynchronous external trigger and sync I/O
- § 32 MB resend buffer
- § Screw-captivated power connection
- § Software development Kit



### Models

GE1380, 1360x1024, 20 fps, CCD, Mono

GE1380C, 1360x1024, 20 fps, CCD, Color