

High Sensitivity 1.4 Megapixel Camera

- Very sensitive - peak QE of 70%
- Exceptional image quality
- Gigabit Ethernet interface
- Sony IXC-285 2/3" Progressive scan CCD
- Region of Interest readout (AOI partial scan)
- Fast frame rates - 20 fps at full-resolution



About the GE1380 / 1380C

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.

Applications for the GE1380 include:

- industrial inspection
- machine vision
- microscopy
- ophthalmology
- fluorescence
- aeronautical and aerospace
- public security
- surveillance
- traffic imaging

The Prosilica Advantage

- Image quality
- High reliability
- High performance
- Ultra-Compact
- Ease of use and integration
- Rich set of camera features

Resolution	1360 x 1024
Sensor Type	2/3" CCD ExView HAD progressive scan Sony ICX285
Pixel Size (µm)	6.45 x 6.45
Maximum Frame Rate	20 fps at 1360 x 1024
Lens Mount	C-mount with adjustable back focus
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	10µs to 60s
Region of Interest (ROI)	Independent x and y control; 1 pixel resolution
Binning	Independent H and V control
Imaging Modes	External Trigger, Fixed frame rate, Software trigger
External Trigger Modes	Rising edge, Falling edge, Any edge, Level high, Level low
External Sync Modes	Trigger ready, Trigger input, Exposing, Readout, Imaging, Strobe, GPO
External Trigger/ Sync Connection	mini-SMB and 12-pin Hirose
Monochrome Modes	Mono8, Mono16**
Color Modes	Bayer8, Bayer16, RGB24, YUV411, YUV422, YUV444
GPIO	1 isolated TTL input, 3 isolated TTL outputs, RS232 I/O
Power Consumption	3.3 W (12V)
Housing Size	39x51x63 mm
Weight	175 g
Conformity	CE, FCC, RoHS
SDK	Free - includes sample code and driver

*GigE Vision™ is a trademark of the Automated Imaging Association

**Mono16 is available on monochrome models only

Specifications are subject to change without notice

Please refer to the Prosilica web site for a full list of specifications

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