

High Sensitivity 1.4 Megapixel CCD Camera

- Very sensitive - peak QE of 70%
- High resolution - 1.4 megapixel (1360 x 1024)
- Exceptional image quality
- Sony ICX285 2/3" Progressive scan CCD
- Global shutter (Snapshot shutter)
- Fast frame rate - 20 fps at full-resolution



Resolution	1360x1024
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 1360x1024
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	12-pin Hirose
Monochrome Modes	Mono8, Mono16**
Color Modes	Bayer8, Bayer16, RGB24, YUV411, YUV422, YUV444, BGR24, RGBA24, BGRA24
GPIO	1 isolated TTL input, 1 isolated TTL output, 1 non-isolated TTL input, 1 non-isolated TTL output, RS232 I/O
Power Consumption	less than 3.3 W (12V)
Housing Size	33x46x43 mm
Weight	104 g
Conformity	CE, FCC, RoHS
SDK	Free - includes sample code and driver

About the GC1380 / 1380C

The ultra-compact 1.4 Megapixel GC1380 is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision). The GC1380 incorporates the incomparable Sony ICX285 CCD sensor with ExView technology providing high-sensitivity, low noise, excellent antiblooming, and superb image quality.

Applications for the GC1380 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

*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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