PROSILICA

GC1380H / 1380CH

30 fps, High-Sensitivity CCD Camera

- High resolution - 1.4 megapixel (1360 x 1024)
- Fast frame rate - 30 frames per second at full resolution
- High sensitivity
- Exceptional image quality
- Sony ICX285 2/3" Progressive scan CCD
- Very small and light weight

Resolution	1360x1024
Sensor Type	2/3" CCD ExView HAD progressive scan Sony ICX285
Pixel Size (μm)	6.45 x 6.45
Maximum Frame Rate	30 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 3.5 W (12V)
Housing Size	33x46x43 mm
Weight	111 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

About the GC1380H / 1380CH

The ultra-compact GC1380H is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface that runs 30 fps at full-resolution. The GC1380H is the highest performance GigE Vision-based camera on the market. It incorporates the incomparable Sony ICX285 CCD sensor that uses ExView technology to provide high-sensitivity, excellent antiblooming, and superb image quality.

Applications for the GC1380H 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

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Advanced Engineering | Great Software | Excellent Support