

Single Board Camera - 1.4 Megapixel



- Very sensitive - High quantum efficiency
- Exceptional image quality
- Sony ICX285 2/3" Progressive scan CCD
- Low noise - very low dark current
- Available in landscape or portrait orientation
- Available with in-line or vertical connector orientation



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	14-pin mini-DSub
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	3.5W (12V)
Board Size (WxL) mm	50.8 x 88.9
Weight	59g
Conformity	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 GB1380 / 1380C

The ultra-compact 1.4 Megapixel GB1380 is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision). The GB1380 incorporates the incomparable Sony ICX285 CCD sensor with ExView technology providing high-sensitivity, low noise, excellent antiblooming, and superb image quality.

Applications for the GB1380 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