

## 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



<b>Resolution</b>	1360x1024
<b>Sensor Type</b>	2/3" CCD ExView HAD progressive scan Sony ICX285
<b>Pixel Size (µm)</b>	6.45 x 6.45
<b>Maximum Frame Rate</b>	30 fps at 1360x1024
<b>Lens Mount</b>	C-mount with adjustable back focus
<b>Digital Interface*</b>	GigE Vision 1.0
<b>Interface Type</b>	IEEE 802.3 1000baseT
<b>Exposure Range</b>	10µs to 60s
<b>Region of Interest (ROI)</b>	Independent x and y control; 1 pixel resolution
<b>Binning</b>	Independent H and V control
<b>Imaging Modes</b>	External trigger, Fixed frame rate, Software trigger
<b>External Trigger Modes</b>	Rising edge, Falling edge, Any edge, Level high, Level low
<b>External Sync Modes</b>	Trigger ready, Trigger input, Exposing, Readout, Imaging, Strobe, GPO
<b>External Trigger/ Sync Connection</b>	14-pin mini-DSub
<b>Monochrome Modes</b>	Mono8, Mono16†
<b>Color Modes</b>	Bayer8, Bayer16, RGB24, YUV411, YUV422, YUV444, BGR24, RGBA24, BGRA24
<b>GPIO</b>	1 isolated TTL input, 1 isolated TTL output, 1 non-isolated TTL input, 1 non-isolated TTL output, RS232 I/O
<b>Power Consumption</b>	3.5W (12V)
<b>Board Size (WxL) mm</b>	50.8 x 88.9
<b>Weight</b>	59g
<b>Conformity</b>	RoHS
<b>SDK</b>	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

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