

## Megapixel Camera with ExView Sensor

- High resolution - 1290 x 960
- 3.75 x 3.75 µm pixel size
- High Sensitivity ExView HAD sensor
- Sony Progressive scan CCD
- Gigabit Ethernet interface
- Very small and light weight



<b>Resolution</b>	1280x960
<b>Sensor Type</b>	1/3" CCD ExView HAD progressive scan Sony ICX445
<b>Pixel Size (µm)</b>	3.75 x 3.75
<b>Maximum Frame Rate</b>	32 fps at 1280x960
<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>	12µs 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>	12-pin Hirose
<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>	less than 3 W (12V)
<b>Housing Size</b>	33x46x38 mm
<b>Weight</b>	106 g
<b>Conformity</b>	CE, FCC, RoHS
<b>SDK</b>	Free - includes sample code and driver

### About the GC1290 / 1290C

The GC1290 is a 1280x960 resolution CCD camera with Gigabit Ethernet interface (GigE Vision). The GC1290 incorporates a high-quality Sony Exview HAD CCD sensor providing excellent monochrome and color image quality. The GC1290 runs more than 30 frames per second at full resolution and even faster with region of interest readout.

### Applications for the GC1290 include:

- industrial inspection
- machine vision
- ophthalmology
- aeronautical and aerospace
- public security
- surveillance
- traffic imaging
- OEM applications

### 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

### Prosilica Inc.

101-3750 North Fraser Way | Burnaby, BC | V5J 5E9 | Canada  
Tel: 604.875.8855 | Fax: 604.875.8856 | info@prosilica.com

[www.prosilica.com](http://www.prosilica.com)