

## Low cost Gigabit Ethernet Cam

- 64 fps at 782x582
- 1/2" Sony ICX415 Progressive Scan CCD
- Gigabit Ethernet interface
- GigE Vision compliant
- Very small and light weight
- Asynchronous external trigger and sync I/O



<b>Resolution</b>	782x582
<b>Sensor Type</b>	1/2" CCD progressive scan Sony ICX415
<b>Pixel Size (µm)</b>	8.3 x 8.3
<b>Maximum Frame Rate</b>	64 fps at 782x582
<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>	8µs to 60s
<b>Region of Interest (ROI)</b>	Independent x and y control; 1 pixel resolution
<b>Binning</b>	Independent H and V control; 1 pixel resolution
<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 2.7 W (12V)
<b>Housing Size</b>	33x46x38 mm
<b>Weight</b>	100 g
<b>Conformity</b>	CE, FCC, RoHS
<b>SDK</b>	Free - includes sample code and driver

### About the GC780 / 780C

The GC780 is an ultra-compact, economically priced, machine vision camera with Gigabit Ethernet interface. The GC780 incorporates the Sony ICX415 CCD sensor and runs 64 frames per second at 782x582 resolution over the GigE Vision-compliant Gigabit Ethernet interface.

### Applications for the GC780 include:

- high-speed inspection
- machine vision
- optical character recognition
- traffic imaging
- robotics
- 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)

[www.adept.net.au](http://www.adept.net.au)