

## Ultra-Compact 2 Megapixel CCD

- High resolution - 2 megapixels (1620 x 1220)
- Sony Progressive scan CCD
- Global shutter (Snapshot shutter)
- Very small and light weight
- Fast frame rate - 15 fps at full-resolution
- Gigabit Ethernet interface



<b>Resolution</b>	1620x1220
<b>Sensor Type</b>	1/1.8" CCD progressive scan Sony ICX274
<b>Pixel Size (µm)</b>	4.4 x 4.4
<b>Maximum Frame Rate</b>	15 fps at 1620x1220
<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>	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 3.2 W (12V)
<b>Housing Size</b>	33x46x43 mm
<b>Weight</b>	97 g
<b>Conformity</b>	CE, FCC, RoHS
<b>SDK</b>	Free - includes sample code and driver

### About the GC1600 / 1600C

The 2 Megapixel GC1600 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision\*). The GC1600 incorporates a high-quality Sony CCD sensor providing excellent monochrome and color image quality. The GC1600 runs 15 frames per second at 1600 x1220 resolution and even faster with region of interest readout.

### Applications for the GC1600 include:

- industrial inspection
- machine vision
- LCD panel inspection
- 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

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