

Ultra-Compact 2 Megapixel CCD Camera - 26 fps

- High resolution - 2 megapixels (1620 x 1220)
- Fast frame rate - 25 fps at full resolution
- Sony Progressive scan CCD
- Global shutter (Snapshot shutter)
- Very small and light weight
- Gigabit Ethernet interface



Resolution	1620x1220
Sensor Type	1/1.8" CCD progressive scan Sony ICX274
Pixel Size (µm)	4.4 x 4.4
Maximum Frame Rate	25 fps at 1620x1220
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	12-pin Hirose
Monochrome Modes	Mono8, Mono16**
Color Modes	Bayer8, Bayer16
GPIO	1 isolated TTL input, 1 isolated TTL output, 1 non-isolated TTL input, 1 non-isolated TTL output, RS232 I/O
Power Consumption	less than 3.3 W (12V)
Housing Size	33x46x43 mm
Weight	105 g
Conformity	CE, FCC, RoHS
SDK	Free - includes sample code and driver

About the GC1600H / 1600HC

The GC1600H GigE Vision camera runs 25 fps at 2 Megapixel resolution (1600 x1220) and even faster with region of interest readout. The GC1600H incorporates a high-quality Sony CCD sensor providing excellent image quality.

Applications for the GC1600H include:

- industrial inspection
- machine vision
- LCD panel inspection
- ophthalmology
- aeronautical and aerospace
- biometrics, 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