PROSILICA

GC1600 / 1600C

SMARTER IMAGING FOR BETTER LIVES

ADEPT TURNKEY

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Ultra-Compact 2 Megapixel CCD Camera

- 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

GigE VISION™

Resolution	1620x1220
Sensor Type	1/1.8" CCD progressive scan Sony ICX274
Pixel Size (µm)	4.4 x 4.4
Maximum Frame Rate	15 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, RGB24, YUV411, YUV422, YUV444, BGR24, RGBA24, BGRA24
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 3.2 W (12V)
Housing Size	33x46x43 mm
Weight	97 g
Conformity	CE, FCC, RoHS
SDK	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 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

www.adept.net.au

Advanced Engineering | Great Software | Excellent Support