PROSILICA

GC780 / 780C

Low cost Gigabit Ethernet Camera 60 fps

- 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

Resolution	782x582
Sensor Type	1/2" CCD progressive scan Sony ICX415
Pixel Size (µm)	8.3 x 8.3
Maximum Frame Rate	64 fps at 782x582
Lens Mount	C-mount with adjustable back focus
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	8µs to 60s
Region of Interest (ROI)	Independent x and y control; 1 pixel resolution
Binning	Independent H and V control; 1 pixel resolution
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 2.7 W (12V)
Housing Size	33x46x38 mm
Weight	100 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 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

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

Advanced Engineering | Great Software | Excellent Support