PROSILICA

GE1900 / 1900C

High Definition Resolution CCD Camera

- High resolution - 2 megapixels (1920 x 1080)
- Kodak KAI-2093 Progressive scan CCD
- Global shutter (Snapshot shutter)
- Gigabit Ethernet interface
- Extra fast frame rate - 30 fps at full-resolution
- Asynchronous external trigger and sync I/O

GiGE VISION™

ADEPT TURNKEY
SMARTER IMAGING FOR BETTER LIVES
Perth: +61 (08) 9242 5411 **Sydney**: +61 (02) 9905 5551
Melbourne: +61 (03) 9384 1775
Email: sales@adeptturnkey.com.au
Web site: www.adept.net.au

Resolution	1920x1080
Sensor Type	1" CCD progressive scan Kodak KAI-2093
Pixel Size (µm)	7.4 x 7.4
Maximum Frame Rate	30 fps at 1920x1080
Lens Mount	C-mount with adjustable back focus
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	50µs 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	mini-SMB and 12-pin Hirose
Monochrome Modes	Mono8, Mono16**
Color Modes	Bayer8, Bayer16, RGB24, YUV411, YUV422, YUV444, BGR24, RGBA24, BGRA24
GPIO	1 isolated TTL input, 3 isolated TTL outputs, RS232 I/O
Power Consumption	5 W (12V)
Housing Size	39x51x63 mm
Weight	169 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 GE1900 / 1900C

The 2 Megapixel GE1900 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision). The GE1900 incorporates a high-quality Kodak KAI-2093 CCD sensor providing excellent monochrome and color image quality in HD resolution (1080p).

Applications for the GE1900 include:

- industrial inspection
- machine vision
- LCD panel inspection
- medical imaging
- 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

© Prosilica Inc. (09) 2008 All Rights Reserved