PROSILICA

GE4000 / 4000C

11 Megapixel CCD Camera - 5 fps

- High resolution 4008 x 2672 pixels
- 5 frames per second
- Progressive Scan - Global shutter (snapshot)
- Gigabit Ethernet interface
- Region of Interest readout (AOI partial scan)
- F-mount lens mount

GiGE™ VISION

Resolution	4008 x 2672
Sensor Type	35 mm CCD progressive scan Kodak KAI-11002
Pixel Size (μm)	9.0 x 9.0
Maximum Frame Rate	5 fps at 4008 x 2672
Lens Mount	F-mount
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	140μs 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
GPIO	1 isolated TTL input, 3 isolated TTL outputs, RS232 I/O
Power Consumption	6 W (12V)
Housing Size	66x66x63 mm
Weight	391 g
Conformity	CE, FCC, RoHS
SDK	Free - includes sample code and driver

*GigE Vision™ is a trademark of the Automated Imaging Association
**Mono8 and Mono16 are available on the monochrome model only
Specifications are subject to change without notice

Please refer to the Prosilica web site for a full list of specifications

About the GE4000 / 4000C

The 11-megapixel GE4000 is a very high-resolution CCD camera with Gigabit Ethernet output. The 35 mm format sensor used in the GE4000 is the high-quality Kodak KAI-11002 CCD image sensor that provides exceptionally high resolution, sensitivity, and dynamic range.

Applications for the GE4000 include:

- LCD panel inspection
- semiconductor wafer inspection
- solar panel inspection
- high-resolution industrial inspection
- aerial photography
- 3-D metrology
- general machine vision
- public security
- surveillance
- traffic imaging (Intelligent Traffic Systems)
- embedded systems
- OEM applications

The Prosilica Advantage

- Image quality
- High reliability
- High performance
- Ultra-Compact
- Ease of use and integration
- Rich set of camera features

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Advanced Engineering | Great Software | Excellent Support