



## 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

<b>Resolution</b>	4008 x 2672
<b>Sensor Type</b>	35 mm CCD progressive scan Kodak KAI-11002
<b>Pixel Size (µm)</b>	9.0 x 9.0
<b>Maximum Frame Rate</b>	5 fps at 4008 x 2672
<b>Lens Mount</b>	F-mount
<b>Digital Interface*</b>	GigE Vision 1.0
<b>Interface Type</b>	IEEE 802.3 1000baseT
<b>Exposure Range</b>	140µs to 60s
<b>Region of Interest (ROI)</b>	Independent x and y control; 1 pixel resolution
<b>Binning</b>	Independent H and V control
<b>Imaging Modes</b>	External Trigger, Fixed frame rate, Software trigger
<b>External Trigger Modes</b>	Rising edge, Falling edge, Any edge, Level high, Level low
<b>External Sync Modes</b>	Trigger ready, Trigger input, Exposing, Readout, Imaging, Strobe, GPO
<b>External Trigger/ Sync Connection</b>	mini-SMB and 12-pin Hirose
<b>Monochrome Modes</b>	Mono8, Mono16**
<b>Color Modes</b>	Bayer8, Bayer16
<b>GPIO</b>	1 isolated TTL input, 3 isolated TTL outputs, RS232 I/O
<b>Power Consumption</b>	6 W (12V)
<b>Housing Size</b>	66x66x63 mm
<b>Weight</b>	391 g
<b>Conformity</b>	CE, FCC, RoHS
<b>SDK</b>	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

### Prosilica Inc.

101-3750 North Fraser Way | Burnaby, BC | V5J 5E9 | Canada

Tel: 604.875.8855 | Fax: 604.875.8856 | [info@prosilica.com](mailto:info@prosilica.com)

[www.prosilica.com](http://www.prosilica.com)

[www.adept.net.au](http://www.adept.net.au)