

## Single Board Camera - 5 Megapixel



- High resolution 2448 x 2050 pixels
- Fast - 15 frames per second at full resolution
- Progressive Scan - Global shutter (snapshot)
- Asynchronous external trigger and sync I/O
- Region of Interest readout (AOI partial scan)
- Available with in-line or vertical connector orientation



<b>Resolution</b>	2448 x2050
<b>Sensor Type</b>	2/3" CCD Super HAD progressive scan Sony ICX625
<b>Pixel Size (µm)</b>	3.45 x 3.45
<b>Maximum Frame Rate</b>	15 fps at 2448 x2050
<b>Lens Mount</b>	C-mount with adjustable back focus
<b>Digital Interface*</b>	GigE Vision 1.0
<b>Interface Type</b>	IEEE 802.3 1000baseT
<b>Exposure Range</b>	25µs 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>	14-pin mini-DSUB
<b>Monochrome Modes</b>	Mono8, Mono16‡
<b>Color Modes</b>	Bayer8, Bayer16
<b>GPIO</b>	1 isolated TTL input, 1 isolated TTL output, 1 non-isolated TTL input, 1 non-isolated TTL output, RS232 I/O
<b>Power Consumption</b>	3.8 W (12V)
<b>Board Size (WxL) mm</b>	50.8 x 88.9
<b>Weight</b>	54g
<b>Conformity</b>	RoHS
<b>SDK</b>	Free - includes sample code and driver

### About the GB2450 / 2450C

The 5-megapixel GB2450 is a very high-resolution CCD camera with Gigabit Ethernet output. The GB2450 has a frame rate of 15 fps at 2448x2050 resolution. The sensor used in the GB2450 is the high-quality Sony ICX625 CCD image sensor that provides superior image quality, excellent sensitivity, and low noise.

### Applications for the GB2450C include

- LCD panel inspection
- high-resolution industrial inspection
- 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

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

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

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