

Single Board Camera - VGA, 120 fps

- 120 fps at 659 x 493
- Progressive Scan CCD
- Global shutter (Snapshot shutter)
- Very small and light weight
- Available in landscape or portrait orientation
- Available with in-line or vertical connector orientation



Resolution	659x493
Sensor Type	1/3" CCD progressive scan Sony ICX424
Pixel Size (µm)	7.4 X 7.4
Maximum Frame Rate	120 fps at 659x493
Lens Mount	C-mount with adjustable back focus
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	10µs 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	14-pin mini-DSub
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	3 W (12V)
Board Size (WxL) mm	50.8 x 88.9
Weight	54g
Conformity	RoHS
SDK	Free - includes sample code and driver

About the GB650 / 650C

The GB650 is a fast, VGA-resolution, high-performance machine vision camera with Gigabit Ethernet interface (GigE Vision). The CCD sensor has excellent image quality and sensitivity. The camera is suitable for applications where speed and excellent image quality are key requirements.

Applications for the GB650 include

- machine vision
- industrial inspection
- public security
- traffic monitoring
- robotics

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

†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