

## Very Small VGA CCD Camera with GigE Vision

- 90 fps at 659 x 493
- Progressive Scan CCD
- Global shutter (Snapshot shutter)
- Gigabit Ethernet interface
- Very small and light weight
- Asynchronous external trigger and sync I/O



<b>Resolution</b>	659x493
<b>Sensor Type</b>	1/3" CCD progressive scan Sony ICX424
<b>Pixel Size (µm)</b>	7.4 x 7.4
<b>Maximum Frame Rate</b>	90 fps at 659x493
<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>	10µs 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>	12-pin Hirose
<b>Monochrome Modes</b>	Mono8, Mono16**
<b>Color Modes</b>	Bayer8, Bayer16, RGB24, YUV411, YUV422, YUV444, BGR24, RGBA24, BGRA24
<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>	less than 3 W (12V)
<b>Housing Size</b>	33x46x38 mm
<b>Weight</b>	99 g
<b>Conformity</b>	CE, FCC, RoHS
<b>SDK</b>	Free - includes sample code and driver

### About the GC650 / 650C

The GC650 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 GC650 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