

## 90-degree GigE Vision Camera

- 120 fps at 659 x 493
- Progressive Scan CCD
- Global shutter (Snapshot shutter)
- Very small and light weight
- Available in landscape or portrait orientation
- Color output modes include RGB color



<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>	120 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>	14-pin mini-DSub
<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>	3 W (12V)
<b>Housing Size (mm)</b>	55 x 95 x 25
<b>Weight</b>	185g
<b>Conformity</b>	CE, FCC, RoHS
<b>SDK</b>	Free - includes sample code and driver

### About the GS650 / 650C

The GS650 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 GS650 include

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

### 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