PROSILICA

GC650 / 650C

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

Resolution	659x493
Sensor Type	1/3" CCD progressive scan Sony ICX424
Pixel Size (µm)	7.4 x 7.4
Maximum Frame Rate	90 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	12-pin Hirose
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	less than 3 W (12V)
Housing Size	33x46x38 mm
Weight	99 g
Conformity	CE, FCC, RoHS
SDK	Free - includes sample code and driver

*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

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

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Advanced Engineering | Great Software | Excellent Support