PROSILICA

GC750 / 750C

Low Cost Gigabit Ethernet Camera 60 fps

- 60 fps at 752x480
- 1/3" CMOS sensor with 6.0 µm square pixels
- Gigabit Ethernet interface
- GigE Vision compliant
- Very small and light weight
- Asynchronous external trigger and sync I/O

GiGE VISION™

Resolution	752x480
Sensor Type	1/3" CMOS progressive Scan MT9V022
Pixel Size (µm)	6.0 x 6.0
Maximum Frame Rate	60 fps at 752x480
Lens Mount	CS-mount
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	30µs to 1s
Region of Interest (ROI)	Independent x and y control; 1 pixel resolution
Binning	N/A
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 2.2 W (12V)
Housing Size	33x46x33 mm
Weight	85 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 GC750 / 750C

The GC750 is an ultra-compact, economically priced, machine vision camera with Gigabit Ethernet interface (GigE Vision). The GC750 runs 60 frames per second at 752x480 resolution over the GigE Vision-compliant Gigabit Ethernet interface. The CMOS sensor is suitable for applications where excellent near-IR sensitivity and resistance to blooming are required.

Applications for the GC750 include:

- high-speed inspection
- machine vision
- optical character recognition
- traffic imaging
- robotics
- OEM applications

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