

## GC750



### Description

#### Low cost Gigabit Ethernet camera - 60 fps

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 GC750 works with standard gigabit Ethernet hardware and cables and can have cable lengths up to 100 meters (330 ft) long using conventional Cat5e network cabling.

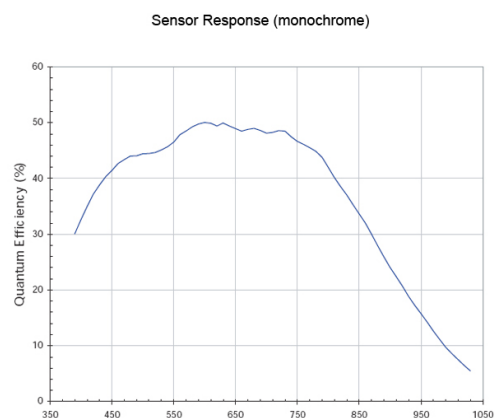
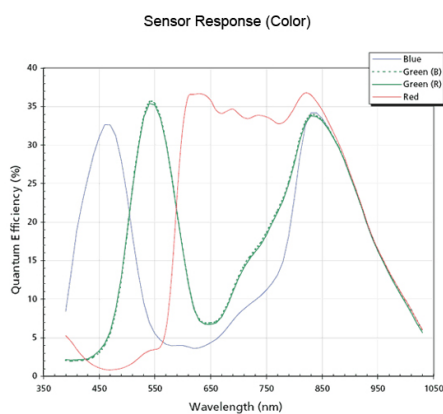
Features include:

- 60 fps at 752x480
- 1/3" CMOS sensor with 6.0 um square pixels
- Gigabit Ethernet interface
- GigE Vision compliant

## Specifications

Prosilica GC	GC750
<b>Resolution</b>	752 x 480
<b>Max frame rate at full resolution</b>	60 fps
<b>Type</b>	CMOS Progressive
<b>Interface</b>	IEEE 802.3 1000baseT
<b>A/D</b>	10 bit
<b>Output</b>	8/10 bit
<b>Sensor Size</b>	Type 1/3
<b>Sensor</b>	Micron MT9V022
<b>Cell size</b>	6 $\mu$ m
<b>On-board FIFO</b>	16 MB
<b>Body Dimensions (L x W x H in mm)</b>	33x46x45 including connectors, w/o tripod and lens

[Download Prosilica GC technical drawing \(click here\)](#)



## Smart features

The GC750 features include:

- 60 fps at 752x480
- 1/3" CMOS sensor with 6.0 um square pixels
- Gigabit Ethernet interface
- GigE Vision compliant
- Very small and light weight
- Asynchronous external trigger and sync I/O
- Region of Interest readout (AOI partial scan)
- Long cables - up to 100 m long
- Global shutter (Snapshot shutter)
- Software development Kit

## Applications

The CMOS sensor is suitable for applications where excellent near-IR sensitivity and resistance to blooming are required. These include:

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

### Application Case Study:

- **Here Comes The Sun**  
Science & Research: Solar power plant uses GigE cameras for mirror alignment.