GC780

Description

Low cost GigE camera - 64 fps

The GC780 is an ultra-compact, economically priced, machine vision camera with Gigabit Ethernet interface (GigE Vision®). The GC780 incorporates the Sony ICX415 CCD sensor and runs 64 frames per second at 782x582 resolution over the GigE Vision-compliant Gigabit Ethernet interface.

The GC780 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.
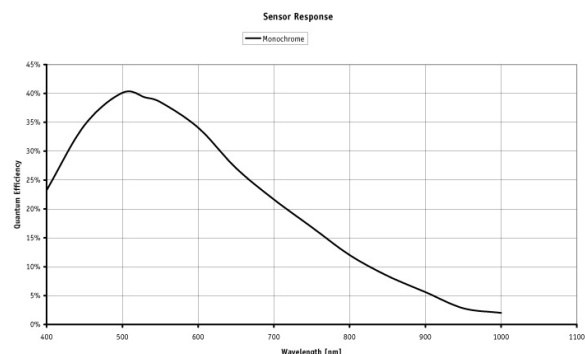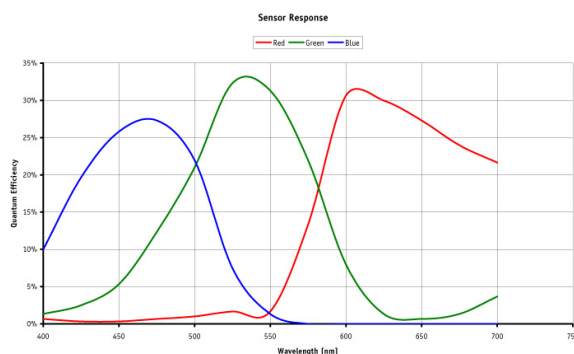
Features include:

- 64 fps at 782x582
- 1/2" Sony ICX415 Progressive Scan CCD
- Gigabit Ethernet interface
- GigE Vision compliant

Specifications

Prosilica GC	GC780
Resolution	782 x 582
Max frame rate at full resolution	64 fps
Type	CCD Progressive
Interface	IEEE 802.3 1000baseT
A/D	12 bit
Output	8/12 bit
Sensor Size	Type 1/2
Sensor	Sony ICX415
Cell size	8.3 µm
On-board FIFO	16 MB
Body Dimensions (L x W x H in mm)	33x46x59 including connectors, w/o tripod and lens

Download Prosilica GC technical drawing (click here)

Smart features

The GC780 features include:

- 64 fps at 782x582
- 1/2" Sony ICX415 Progressive Scan CCD
- Gigabit Ethernet interface
- GigE Vision compliant
- StreamBytesPerSecond (easy bandwidth control)
- Flexible binning
- Very small and light weight
- Asynchronous external trigger and sync I/O
- Region of Interest readout (AOI partial scan)
- Global shutter (Snapshot shutter)
- Video-type auto-iris support
- Software development Kit

Applications

The GC780 is ideal for a wide range of applications including:

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