GC1380

Description

High sensitivity 1.4 Megapixel CCD camera with GigE Vision

The ultra-compact 1.4 Megapixel GC1380 is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision®). The GC1380 incorporates the incomparable Sony ICX285 CCD sensor with ExView technology providing high-sensitivity, low noise, excellent antiblooming, and superb image quality. The GC1380 runs 20 frames per second at 1360x1024 resolution and even faster with region of interest readout.

The GC1380 works with standard gigabit Ethernet hardware and cables and can have cable lengths up to 100 meters (330 ft) long using conventional Cat-5e.
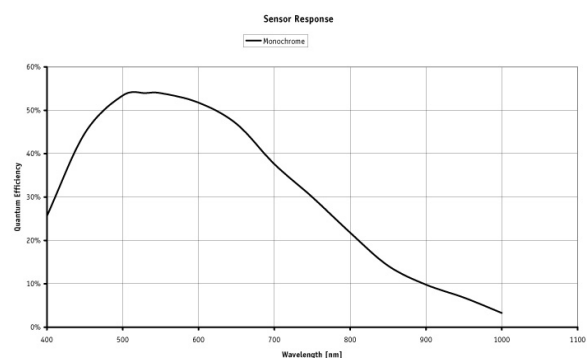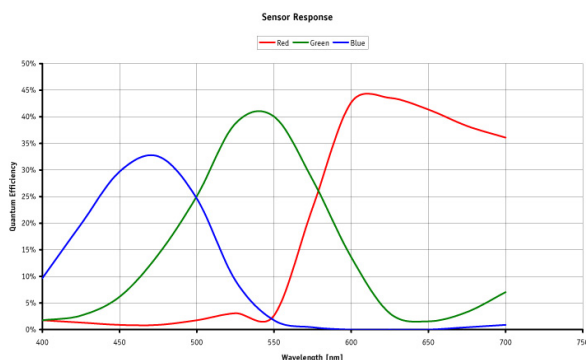
Features include:

- Very sensitive
- High resolution - 1.4 megapixel (1360x1024)
- Exceptional image quality
- Sony ICX285 2/3" Progressive scan CCD

Specifications

Prosilica GC	GC1380
Resolution	1360 x 1024
Max frame rate at full resolution	20 fps
Type	CCD Progressive
Interface	IEEE 802.3 1000baseT
A/D	12 bit
Output	8/12 bit
Sensor Size	Type 2/3
Sensor	Sony ICX285
Cell size	6.45 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 GC1380 features include:

- Very sensitive
- High resolution - 1.4 megapixel (1360x1024)
- Exceptional image quality
- Sony ICX285 2/3" Progressive scan CCD
- StreamBytesPerSecond (easy bandwidth control)
- Global shutter (Snapshot shutter)
- Fast frame rate - 20 fps at full-resolution
- Very small and light weight
- Gigabit Ethernet interface
- GigE Vision compliant
- Long cables - up to 100 m on network cabling
- Low noise - very low dark current
- Region of Interest readout (AOI partial scan)
- Binning modes
- Software development kit
- Asynchronous external trigger and sync I/O
- Software development Kit
- C-mount

Applications

The GC1380 is ideal for a wide range of applications including:

- industrial inspection
- machine vision
- ophthalmology
- aeronautical and aerospace
- public security
- surveillance
- traffic imaging
- OEM applications

Application Case Study:

- **Prosilica GC GigE Camera in Coral Reef Fish Study**
  Science & Research: Prosilica GC GigE Vision Cameras used by research team of New Jersey Institute of Technology to assess population of endangered fish species in coral reefs.

- **Coming to a street near you**
  Prosilica GC1380C camera captures images for Microsoft Bing Maps Streetside.