GC1380H

Description

High sensitivity 1.4 Megapixel CCD camera - 30 fps

The GC1380H, and its color counterpart, the GC1380CH, are high-speed versions of the very popular GC1380. The ultra-compact GC1380H is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision®) that runs 30 frames per second at full-resolution.

The GC1380H is the highest performance GigE Vision-based camera on the market. It incorporates the incomparable Sony ICX285 CCD sensor that uses ExView technology to provide high-sensitivity, excellent antiblooming, and superb image quality.

The camera interface uses standard gigabit Ethernet hardware and cables that can have lengths up to 100 meters (330 ft) long using conventional Cat-5e network cable.

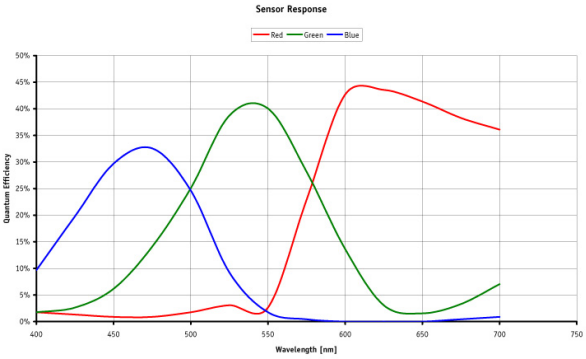
Features include:

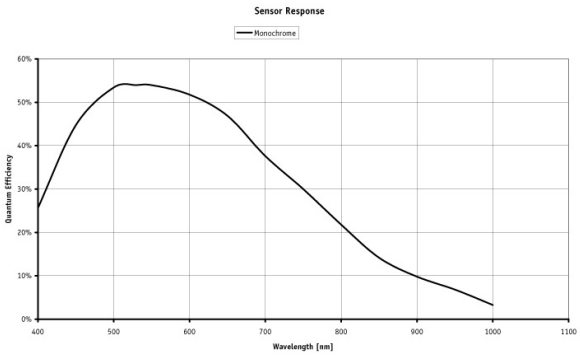
- High resolution - 1.4 megapixel (1360x1024)
- Fast frame rate - 30 fps at full resolution
- High sensitivity
- Exceptional image quality

Specifications

Prosilica GC	GC1380H
Resolution	1360 x 1024
Max frame rate at full resolution	30 fps
Type	CCD Progressive
Interface	IEEE 802.3 1000baseT
A/D	14 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 GC1380H features include:

- High resolution - 1.4 megapixel (1360x1024)
- Fast frame rate - 30 frames per second at full resolution
- High sensitivity
- Exceptional image quality
- Sony ICX285 2/3" Progressive scan CCD
- StreamBytesPerSecond (easy bandwidth control)
- Global shutter (Snapshot shutter)
- Very small and light weight
- Gigabit Ethernet interface
- GigE Vision compliant
- Long cables - up to 100 m on network cabling
- Region of Interest readout (AOI partial scan)
- Binning modes
- Software development kit
- Asynchronous external trigger and sync I/O
- Software development Kit

Applications

The GC1380H is ideal for a wide range of applications including:

- industrial inspection
- machine vision
- ophthalmology
- microscopy
- fluorescence
- aeronautical and aerospace
- public security
- surveillance
- traffic imaging

Application Case Studies:

- **Prosilica GigE Vision Cameras Tested for New NASA Recording System**
  Prosilica's GigE Vision GC Series Cameras are being tested by NASA as the Agency is looking to upgrade one of its existing space shuttle video/camera recording systems.