

GC1600H



Description

Ultra-compact 2 Megapixel CCD camera - 25 fps

The GC1600H GigE Vision camera runs 25 fps at 2 Megapixel resolution (1600 x1220) and even faster with region of interest readout. The GC1600H incorporates a high-quality Sony CCD sensor providing excellent image quality.

The GC1600H operates over standard Cat-5e Ethernet cables of up to 100 meters long (300 ft).

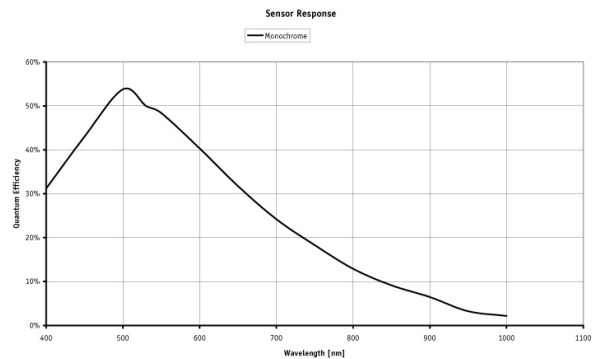
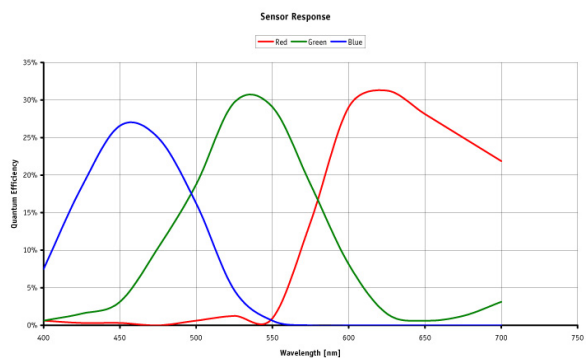
Features include:

- High resolution - 2 megapixels (1620x1220)
- Fast frame rate - 25 fps at full resolution
- Sony Progressive scan CCD
- Global shutter (Snapshot shutter)

Specifications

Prosilica GC	GC1600H
Resolution	1620 x 1220
Max frame rate at full resolution	25 fps
Type	CCD Progressive
Interface	IEEE 802.3 1000baseT
A/D	14 bit
Output	8/12 bit
Sensor Size	Type 1/1.8
Sensor	Sony ICX274
Cell size	4.4 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 GC1600H features include:

- High resolution - 2 megapixels (1620x1220)
- Fast frame rate - 25 fps at full resolution
- Sony Progressive scan CCD
- Global shutter (Snapshot shutter)
- StreamBytesPerSecond (easy bandwidth control)
- 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 GC1600H is ideal for a wide range of applications including:

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