

GS1380

Description

1.4 Megapixel CCD camera with GigE Vision, High sensitivity

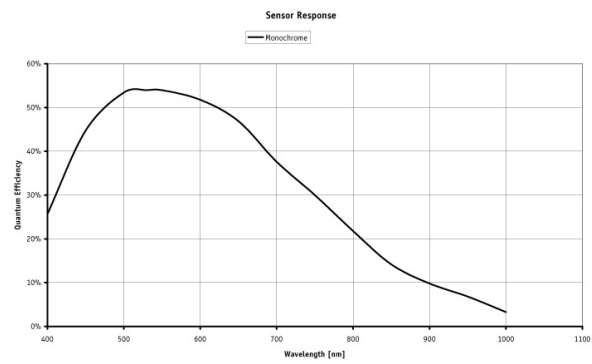
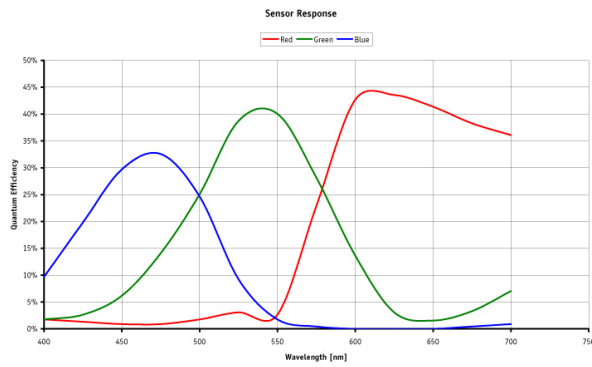
The ultra-compact 1.4 Megapixel GS1380 is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision®). The GS1380 incorporates the incomparable Sony ICX285 CCD sensor with ExView technology providing high-sensitivity, low noise, excellent antiblooming, and superb image quality. The GS1380 runs 30 frames per second at 1360x1024 resolution and is available in landscape or Portrait orientation.

- Sony ICX285 2/3" Progressive scan CCD
- Very sensitive - High quantum efficiency
- **Models:**
 - GB1380, 1360x1024, 30 fps, CCD, Mono
 - GB1380C, 1360x1024, 30 fps, CCD, Color
 - GB1380-P, 1360x1024, 30 fps, CCD, Mono, Portrait
 - GB1380C-P, 1360x1024, 30 fps, CCD, Color, Portrait
- **Modular options:**
 - White Medical enclosure
 - CS Lens Mount (Factory conversion)
 - IRC Filter on Monochrome cameras (Factory installation)

Specifications

Prosilica GS 1380	
Interface	IEEE 802.3 1000baseT
Resolution	1360 x 1024
Sensor	Sony ICX285
Type	CCD Progressive
Sensor Size	Type 2/3
Cell size	6.45 µm
Lens mount	C
Max frame rate at full resolution	30 fps
A/D	14 bit
On-board FIFO	16 MB
Output	
Bit depth	8/12 bit
Mono modes	Mono8, Mono12Packed, Mono16
Color modes YUV	YUV411, YUV422, YUV444
Color modes RGB	RGB24, BGR24, RGBA24, BGRA24
Raw modes	Bayer8, Bayer12Packed, Bayer16
General purpose inputs/outputs (GPIOs)	
TTL I/Os	1 input, 1 output
Opto-coupled I/Os	1 input, 1 output
RS-232	1
Power/Mass/Dimensions/Regulations	
Power requirements (DC)	5V - 25V
Power consumption (12 V)	3.5W
Mass	187 g
Body Dimensions (L x W x H in mm)	96x56x26 including connectors, w/o tripod and lens
Regulations	CE, FCC, Class A, RoHS

[Download Prosilica GS1380 technical drawing \(click here\)](#)



Smart features

The GS1380 features include:

- Auto Exposure
- Auto Gain
- Auto White balance
- Flexible Binning
- Region of Interest readout (AOI partial scan)
- StreamBytesPerSecond (easy bandwidth control)
- Stream hold
- Asynchronous external trigger and sync I/O
- Global shutter (digital shutter)
- Recorder and Multiframe Acquisition Modes

Applications

The GS1380 is ideal for a wide range of applications including:

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