GS1380/1380C

GiGE VISION

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 1360 x 1024 resolution and is available in landscape or Portrait orientation.

- Sony ICX285 2/3" Progressive scan CCD
- Very sensitive - High quantum efficiency

- **Models:**
  - GS1380, 1360 x 1024, 30 fps, CCD, Mono
  - GS1380C, 1360 x 1024, 30 fps, CCD, Color
  - GS1380-P, 1360 x 1024, 30 fps, CCD, Mono, Portrait
  - GS1380C-P, 1360x1024, 30 fps, CCD, Color, Portrait

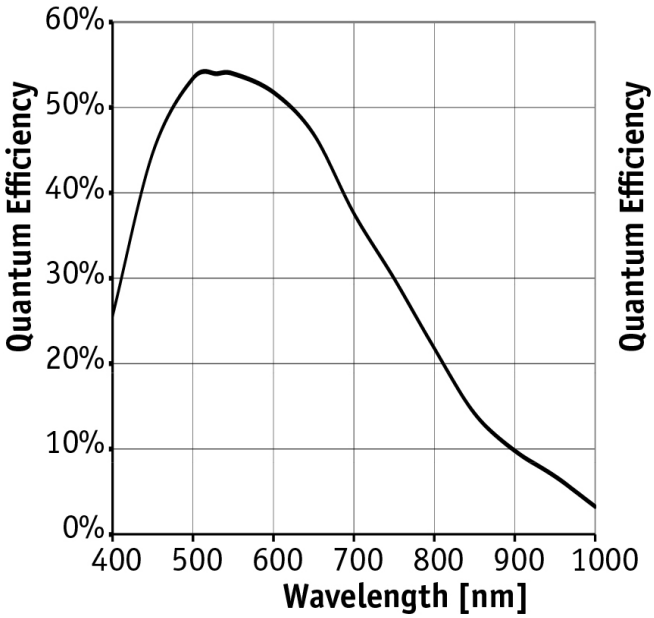
- **Modular options:**
  - White Medical enclosure
  - CS Lens Mount (Factory conversion)
  - IRC Filter on Monochrome cameras (Factory installation)

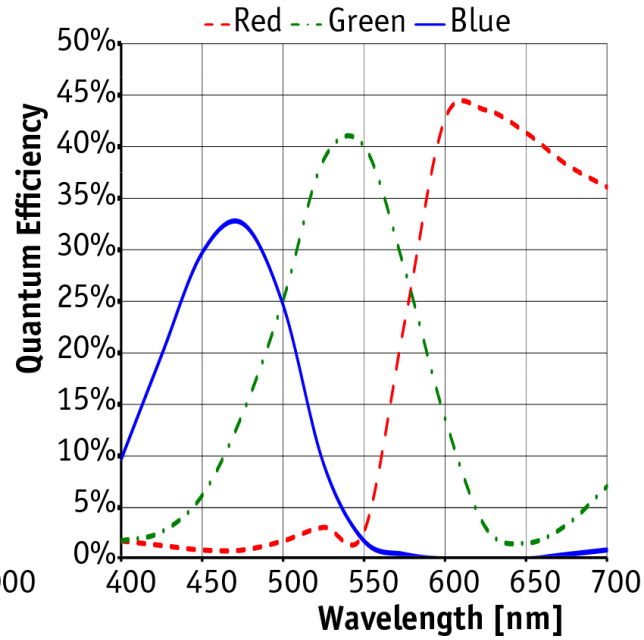
Specifications

Prosilica GS	1380
Interface	IEEE 802.3 1000baseT
Resolution	1360 x 1024
Sensor	Sony ICX285
Sensor type	CCD Progressive
Sensor size	Type 2/3
Cell size	6.45 µm
Lens mount	C (adjustable)
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, Mono12, Mono12Packed
Color modes YUV	YUV411Packed, YUV422Packed, YUV444Packed
Color modes RGB	RGB8Packed, BGR8Packed
Raw modes	BayerRG8, BayerRG12, BayerGR12Packed
	General purpose inputs/outputs (GPIOs)
TTL I/Os	1 input, 1 output
Opto-coupled I/Os	1 input, 1 output
RS-232	1
	Operating conditions/Dimensions
Operating temperature	0°C ... +50°C
Power requirements (DC)	5-25 VDC*
Power consumption (12 V)	3.5W
Mass	187 g
Body Dimensions (L x W x H in mm)	96 x 56 x 26 including connectors, w/o tripod and lens
Regulations	CE, FCC Class A, RoHS (2011/65/EU)

*5-16 VDC for cameras with SN: 02-22XX**A**

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)
- DSP subregion (selectable ROI for auto features)
- 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