

# Prosilica GS

## 1380



- Right-angle CCD camera with low height profile
- 30 fps @ full resolution
- Video-type auto iris
- Landscape or portrait sensor orientation

## Description

1.4 Megapixel CCD camera with GigE Vision, High sensitivity

Prosilica#GS1380/GS1380C is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface. This camera incorporates the Sony ICX285 CCD sensor with EXview technology. This camera runs 30 frames per second at full resolution and#is available in landscape or portrait orientation.

### Options:

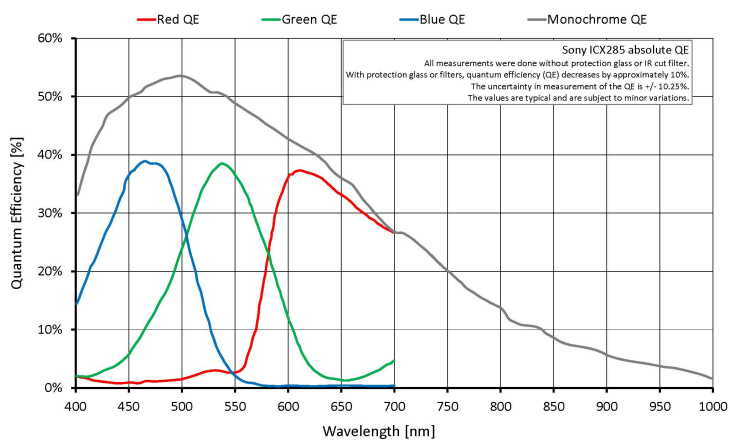
- CS-Mount
- Optical filters (IR cut filter/Protection glass)
- White medical housing

See the#[Modular Concept](#)#for lens mount, optical filters, and case design options.

## Specifications

Prosilica GS	1380
Interface	IEEE 802.3 1000baseT
Resolution	1360 (H) × 1024 (V)
Sensor	Sony ICX285
Sensor type	CCD Progressive
Cell size	6.45 μm x 6.45 μm
Lens mount	C-Mount
Max frame rate at full resolution	30 fps
ADC	14 bit
Image buffer (RAM)	16 MByte
	<b>Output</b>
Bit depth	8/12 bit

<b>Prosilica GS</b>	<b>1380</b>
Mono modes	Mono8, Mono12, Mono12Packed
Color modes RGB	RGB8Packed, BGR8Packed
Raw modes	BayerRG8, BayerRG12, BayerGR12Packed
<b>General purpose inputs/outputs (GPIOs)</b>	
TTL I/Os	1 input, 1 output
Opto-isolated I/Os	1 input, 1 output
RS-232	1
<b>Operating conditions/dimensions</b>	
Operating temperature	0 °C to +70 °C ambient (without condensation)
Power requirements (DC)	5 to 25 VDC
Power consumption (@12 V)	3.5 W
Mass	187 g
Body dimensions (L × W × H in mm)	96 × 56 × 26 (including connectors)
Regulations	CE, RoHS, REACH, WEEE, FCC, ICES



## Features

### Prosilica#GS1380/GS1380C features include:

- Auto-iris (video type)
- Region of interest (ROI), DSP subregion (selectable ROI for auto features)
- Binning
- Auto gain (manual gain control: 0 to 30 dB)



- Auto exposure (manual exposure controls: 10 #s to 78.5 s)
- Auto white balance
- StreamBytesPerSecond (easy bandwidth control)
- Stream hold
- Sync out modes: Trigger ready, input, exposing, readout, imaging, strobe, GPO
- Global shutter (digital shutter)
- Recorder and Multiframe acquisition modes
- Event channel
- Image chunk data
- Storable user sets

## Applications

**Prosilica#GS1380/GS1380C is ideal for a wide range of applications including:**

- Industrial inspection
- Machine vision
- Microscopy
- Ophthalmology
- Fluorescence
- Aeronautical and aerospace
- Public security
- Surveillance