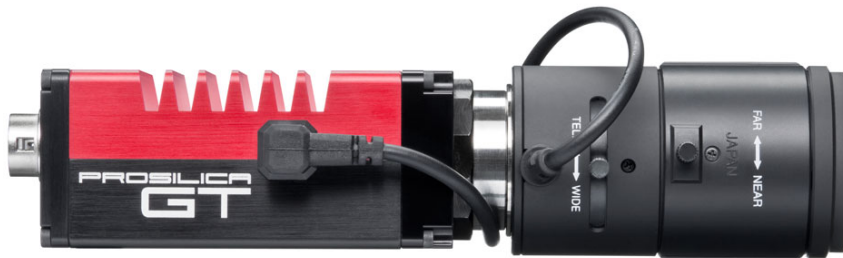


## GT1380/1380C



### Description

#### **NEW: High sensitivity 1.4 Megapixel CCD camera for extreme environments**

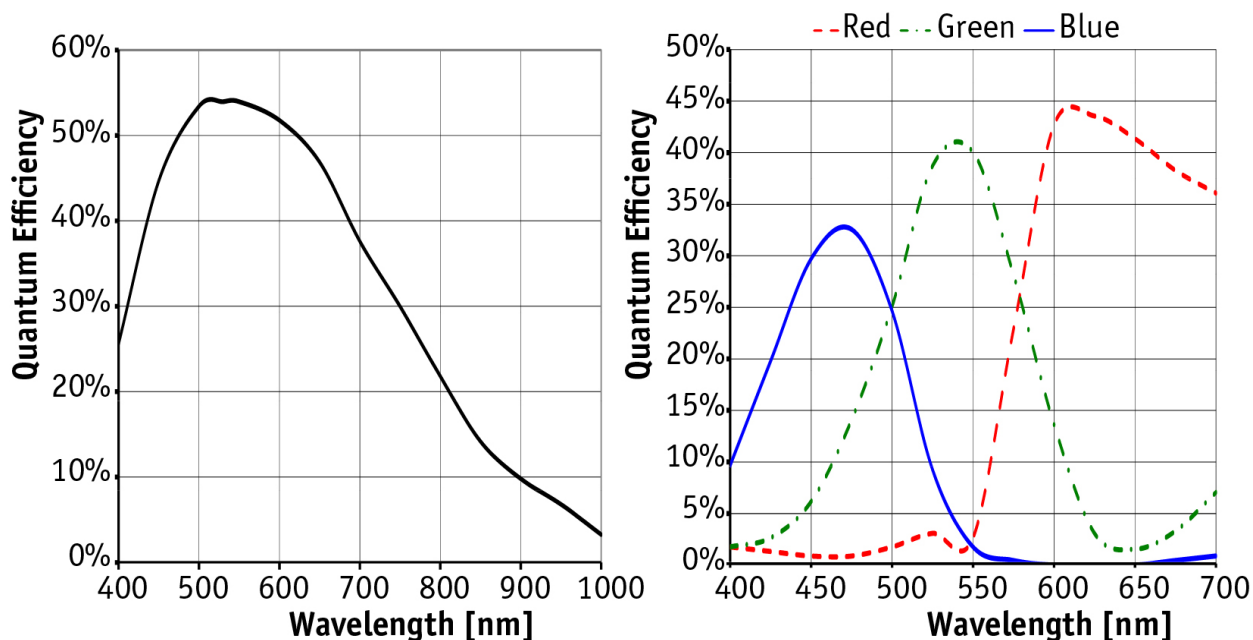
The Prosilica GT1380 is a 1.4 Megapixel camera with a Gigabit Ethernet interface (GigE Vision®). The GT1380 is a rugged camera designed to operate in extreme environments and fluctuating lighting conditions. The GT1380 offers Precise iris lens control allowing users to fix the aperture size to optimize depth of field, exposure and gain without the need for additional control elements. The GT1380 incorporates the incomparable Sony ICX285 CCD sensor with EXview technology providing high-sensitivity, low noise, excellent antiblooming, and superb image quality.

- Sony ICX285 EXview CCD sensor
- Auto Iris (P-Iris and DC)
- Power over Ethernet (PoE)
- Ethernet surge suppression
- Gamma, multiple LUT, color correction
- Metadata (Chunk data)
- Clock synchronization (IEEE1588)
- Wide operating temperature range
- Global shutter (digital shutter)
- Camera temperature monitoring
- **Models:**
  - GT1380, 1360 x 1024, 30 fps, CCD mono
  - GT1380C, 1360 x 1024, 30 fps, CCD color

## Specifications

Prosilica GT 1380	
Interface	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
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	30.5 fps
A/D	14 bit
On-board FIFO	128 MB
Output	
Bit depth	14 (mono) - 12 (color) bit
Mono modes	Mono8, Mono12, Mono12Packed, Mono14
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, 2 outputs
Opto-coupled I/Os	1 input, 2 outputs
RS-232	1
Operating conditions/Dimensions	
Operating temperature	-20°C ... +65°C
Power requirements (DC)	PoE, or 7-25 VDC
Power consumption (12 V)	3.4 @ 12 VDC
Mass	211 g
Body Dimensions (L x W x H in mm)	86 x 53.3 x 33 (including connectors, w/o tripod and lens)
Regulations	CE, FCC Class A, RoHS (2011/65/EU)

[Download the Prosilica GT1380 technical drawing](#)



## Smart features

The Prosilica GT1380 features include:

- Auto exposure and auto gain
- Auto white balance
- Flexible binning
- Region of Interest (ROI) readout
- DSP subregion (selectable ROI for auto features)
- StreamBytesPerSecond (easy bandwidth control)
- Stream hold
- Asynchronous external trigger and sync I/O
- Auto Iris (P-Iris and DC)
- Power over Ethernet (PoE)
- Ethernet surge suppression
- Gamma, multiple LUT
- Color correction
- Metadata (Chunk data)
- Clock synchronization (IEEE1588)
- Recorder and multiframe acquisition modes
- Camera temperature monitoring

## White Paper

[Remote lens control with Prosilica GT cameras](#)

## Applications

The Prosilica GT1380 is ideal for a wide range of applications including:

- Outdoor imaging
- Traffic imaging / ITS
- Public security and surveillance
- Industrial inspection
- Machine vision
- Military and space applications