Prosilica GC
1380H

- Compact
- 30 fps @ 1.4 Megapixel
- Rugged housing
- Video-type auto iris

Description

High sensitivity 1.4 Megapixel CCD camera - 30 fps

Prosilica GC1380H and its color counterpart, GC1380CH, are high-speed versions of the very popular GC1380. The ultra-compact GC1380H is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision) that runs 30 frames per second at full resolution.
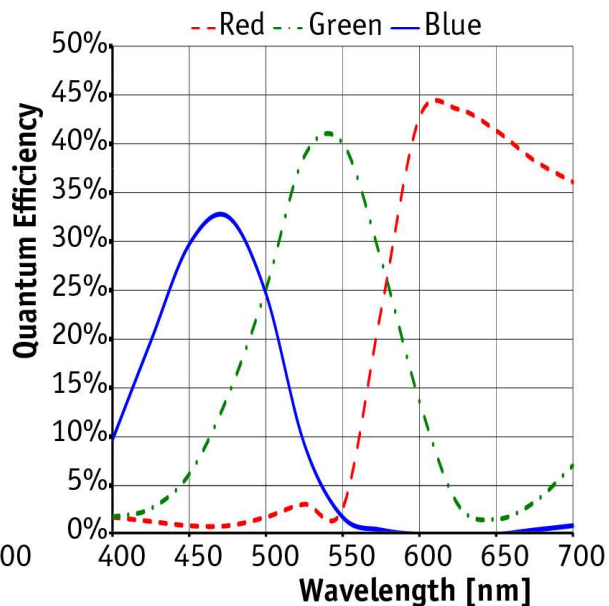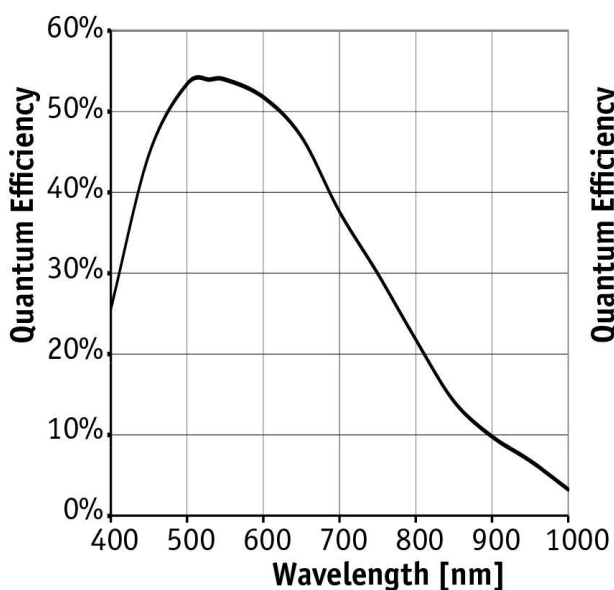Options

- IR cut filter, CS-Mount

Specifications

Prosilica GC	1380H
Interface	IEEE 802.3 1000baseT
Resolution	1360 × 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
ADC	12 bit
On-board FIFO	16 Mbyte
Output	
Bit depth	8/12 bit
Mono modes	Mono8, Mono12, Mono12Packed
Color modes RGB	RGB8Packed, BGR8Packed

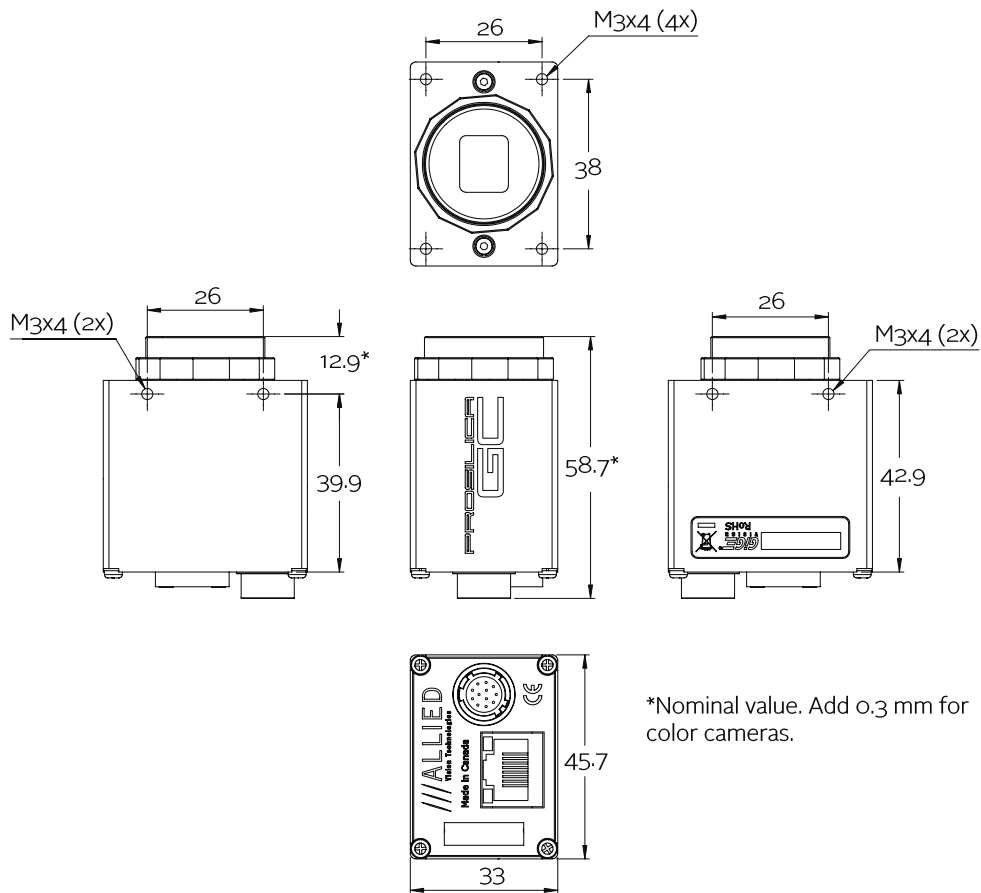| Prosilica GC	1380H
Raw modes	BayerRG8, BayerRG12, BayerGR12Packed
General purpose inputs/outputs (GPIOs)	
TTL I/Os	1 input, 1 output
Opto-isolated I/Os	1 input, 1 output
RS-232	1
Operating conditions/dimensions	
Operating temperature	0°C … +50°C
Power requirements (DC)	5-25 VDC*
Power consumption (@12 V)	3.5 W
Mass	111 g
Body dimensions (L × W × H in mm)	59 × 46 × 33 including connectors, w/o tripod and lens
Regulations	CE, FCC Class A, RoHS (2011/65/EU)

Features

Prosilica GC1380H features include:

- Video-type auto iris
- ROI, DSP subregion (selectable ROI for auto features)
- Binning
- Auto gain (manual gain control: 0 to 33 dB)
- Auto exposure (manual exposure controls: 10 µs 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
- Chunk data
- Storable user sets

Technical drawing

26

M3x4 (4x)

38

26

M3x4 (2x)

12.9*

39.9

PROSILICA GigE

58.7*

26

M3x4 (2x)

42.9

GigE

RoHS

ALLIED
Vision Technologies
Made In Canada

45.7

33

*Nominal value. Add 0.3 mm for color cameras.

Applications

Prosilica GC1380H is ideal for a wide range of applications including:

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