

Prosilica GC

1290



- Compact
- 32 fps @ 1.2 Megapixel
- Rugged housing
- Video-type auto iris

Description

Megapixel CCD camera with EXview sensor - 32 fps

Prosilica GC1290 is a 1280 x 960 resolution CCD camera with Gigabit Ethernet interface (GigE Vision). GC1290 incorporates a high-quality Sony EXview HAD CCD sensor providing excellent monochrome and color image quality.

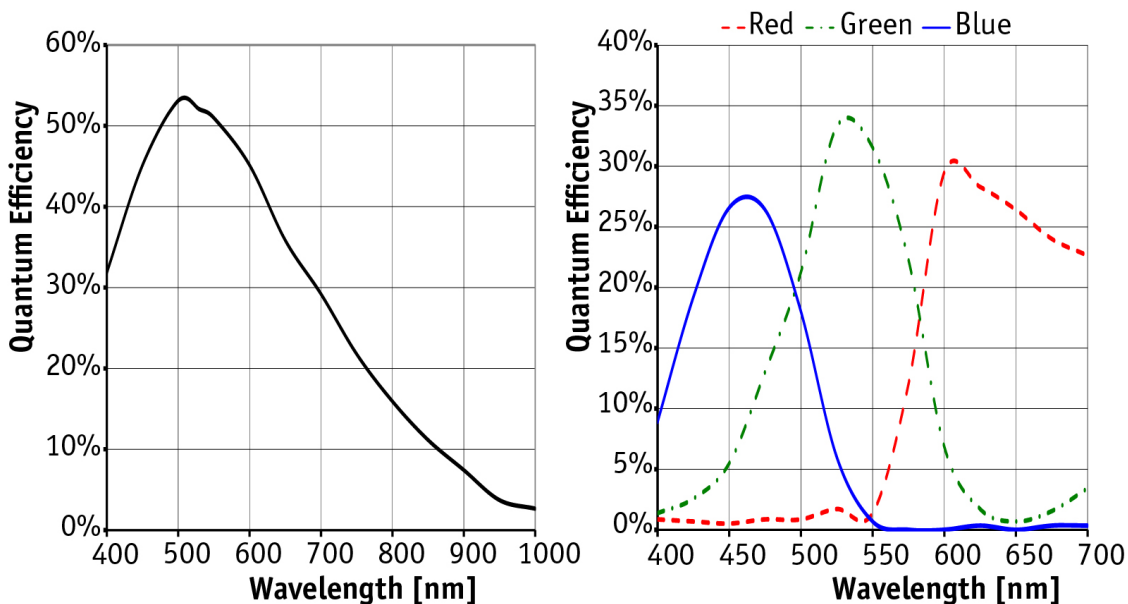
Options

- IR cut filter, CS-Mount

Specifications

Prosilica GC	1290
Interface	IEEE 802.3 1000baseT
Resolution	1280 × 960
Sensor	Sony ICX445
Sensor type	CCD Progressive
Sensor size	Type 1/3
Cell size	3.75 µm
Lens mount	C (adjustable) / CS
Max frame rate at full resolution	32 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	1290
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 W
Mass	106 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

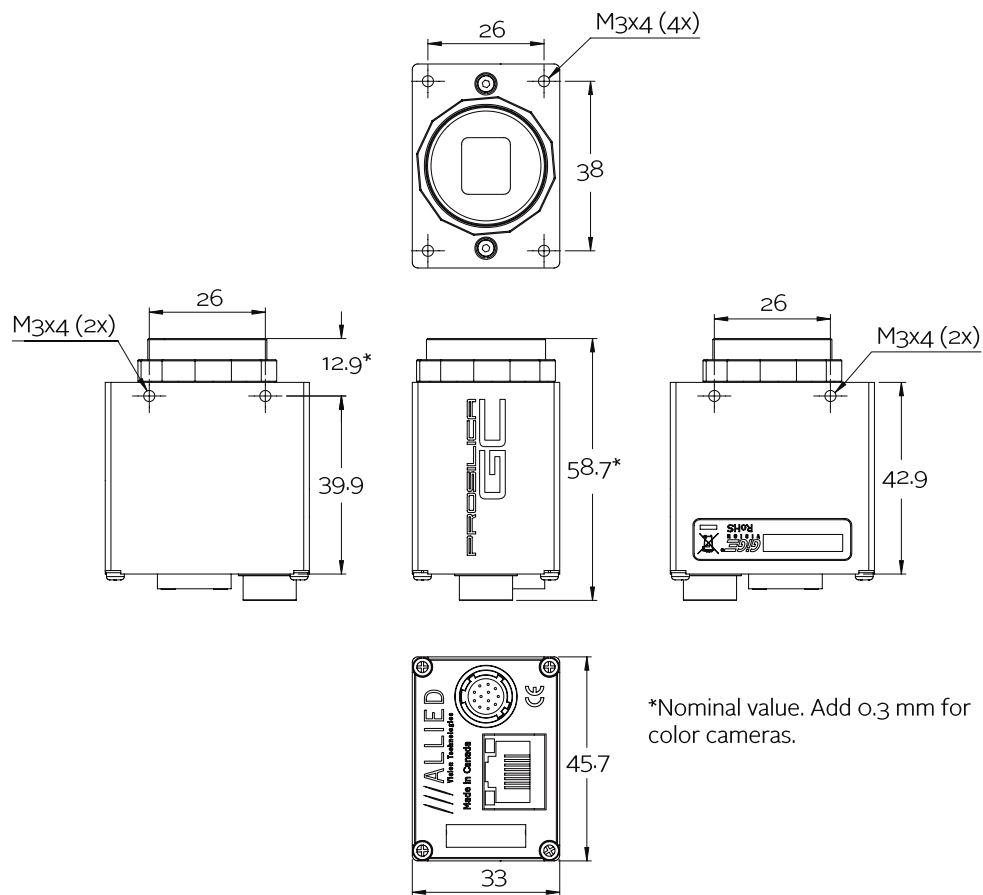
Prosilica GC1290 features include:

- Video-type auto iris
- ROI, DSP subregion (selectable ROI for auto features)
- Binning
- Auto gain (manual gain control: 0 to 24 dB)
- Auto exposure (manual exposure controls: 12 μ 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
- Chunk data
- Storable user sets

Technical drawing





Applications

Prosilica GC1290 is ideal for a wide range of applications including:

- Industrial inspection
- Machine vision
- Ophthalmology
- Aeronautical and aerospace
- Public security
- Surveillance
- Traffic imaging
- OEM applications