Allied Vision

GiGE VISION

Prosilica GS
660

- Right-angle CCD camera with low height profile
- High frame rate
- Video-type auto iris
- Sony ICX618 sensor

Landscape or portrait orientation

Right-angle CCD camera with Gigabit Ethernet interface

Prosilica GS 660 with Sony ICX618 runs 119 frames per second at 0.3 MP resolution.

Prosilica GS cameras are periscope-type CCD cameras for industrial and microscopy applications. The compact GS-Series cameras have a Gigabit Ethernet interface (GigE Vision) that allows for very fast frame rates and long cable lengths.

- Compact size
- Very rugged
- Fast frame rates to 120 fps
- VGA to 5 Megapixels
- Landscape or portrait orientation
- Optional white medical housing
- Modular options available

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Specifications

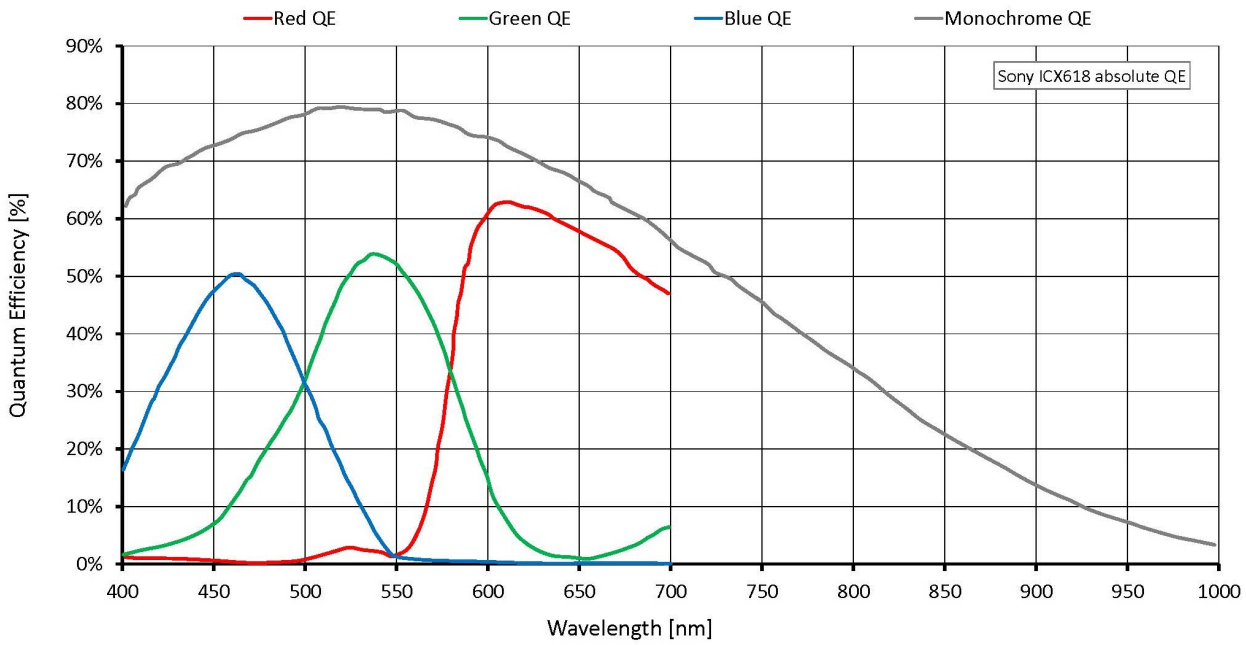
Interface	IEEE 802.3 1000BASE-T
Resolution	659 (H) × 493 (V)
Sensor	Sony ICX618
Sensor type	CCD Progressive
Shutter mode	GS (Global shutter)
Sensor size	Type 1/4
Pixel size	5.6 µm × 5.6 µm
Lens mount (default)	C-Mount
Max. frame rate at full resolution	119 fps
ADC	14 Bit
Image buffer (RAM)	16 MByte

Output	
Bit depth	8-bit or 12-bit
Monochrome pixel formats	Mono8, Mono12, Mono12Packed
YUV color pixel formats	YUV411Packed, YUV422Packed, YUV444Packed
RGB color pixel formats	RGB8Packed, BGR8Packed
Raw color pixel formats (Bayer)	BayerRG8, BayerRG12, BayerGR12Packed

General purpose inputs/outputs (GPIOs)	
TTL I/Os	1 input, 1 output
Opto-isolated I/Os	1 input, 1 output
RS232	1

Operating conditions/dimensions	
Operating temperature	0 °C to +70 °C ambient (without condensation)
Power requirements (DC)	5 to 25 VDC
Power consumption	3 W at 12 VDC
Mass	184 g
Body dimensions (L × W × H in mm)	96 × 56 × 26 (including connectors)

Quantum efficiency

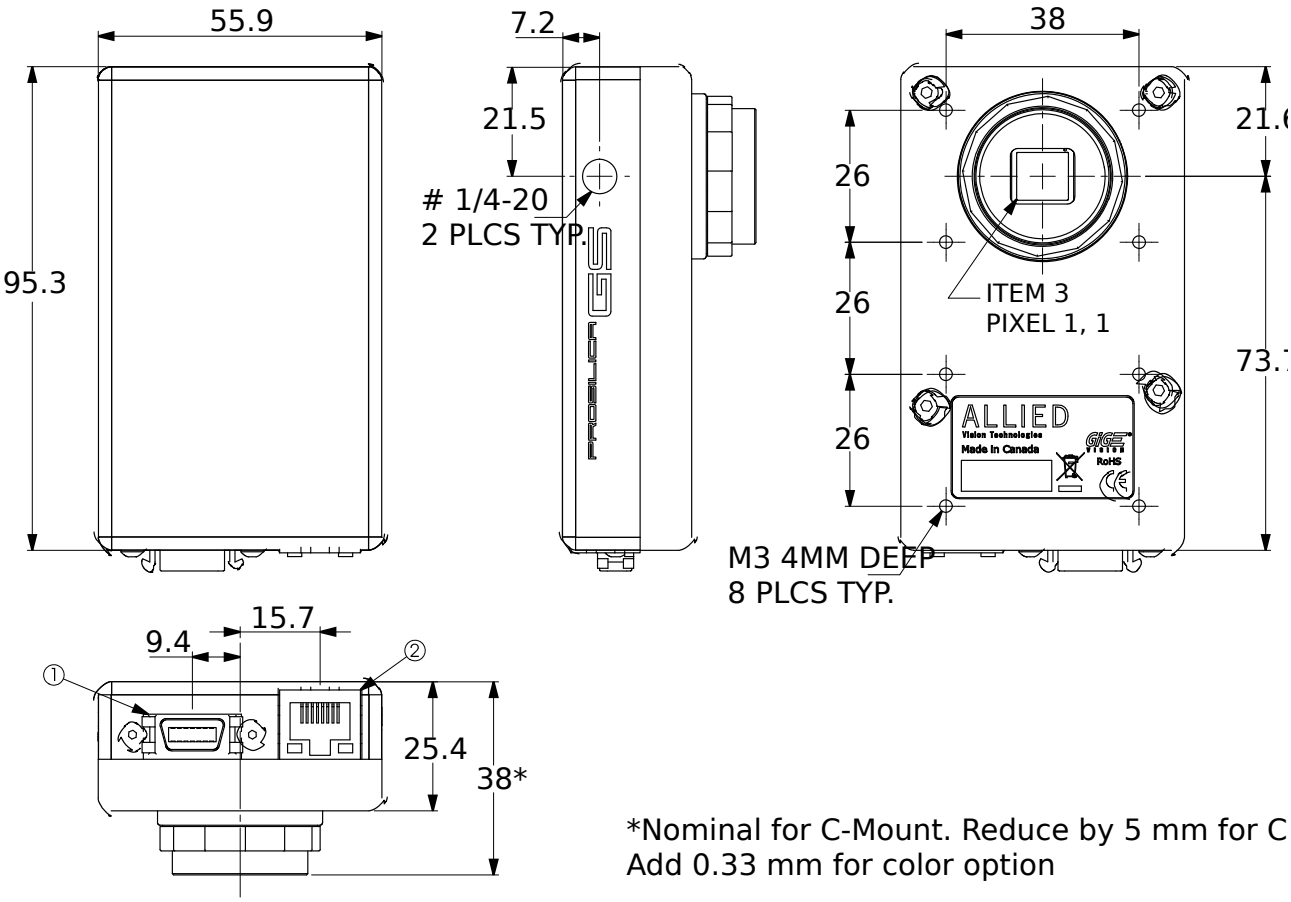


Features

Prosilica GS660 features include:

- Auto-iris (video type)
- Region of interest (ROI), DSP subregion (selectable ROI for auto features)
- Binning (Sum)
- Auto gain (manual gain control: 0 to 30 dB)
- Auto exposure (manual exposure controls: 10 µs to 78.5 s)
- Auto white balance
- StreamBytesPerSecond (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

Technical drawing



*Nominal for C-Mount. Reduce by 5 mm for C
Add 0.33 mm for color option

Applications

Prosilica GS660 is ideal for a wide range of applications including:

- Machine vision
- Industrial inspection
- Public security
- Traffic monitoring
- Microscopy