



# GS660



## Description

### Right-angle GigE Vision camera, Ex-view sensor, 119 fps

The GS660 is a fast, VGA resolution, high-performance machine vision camera with Gigabit Ethernet interface (GigE Vision®). The GS660 incorporates a Sony ExView HAD CCD sensor that has particularly high quantum efficiency and excellent NIR response for excellent image quality and sensitivity.

- Sony ICX618 ExView HAD sensor
- 119 fps at 659x493
- 5.6 x 5.6 um pixel size

- **Models**

- GS660, 659x493, 119 fps, CCD, Mono
- GS660C, 659x493, 119 fps, CCD, Color

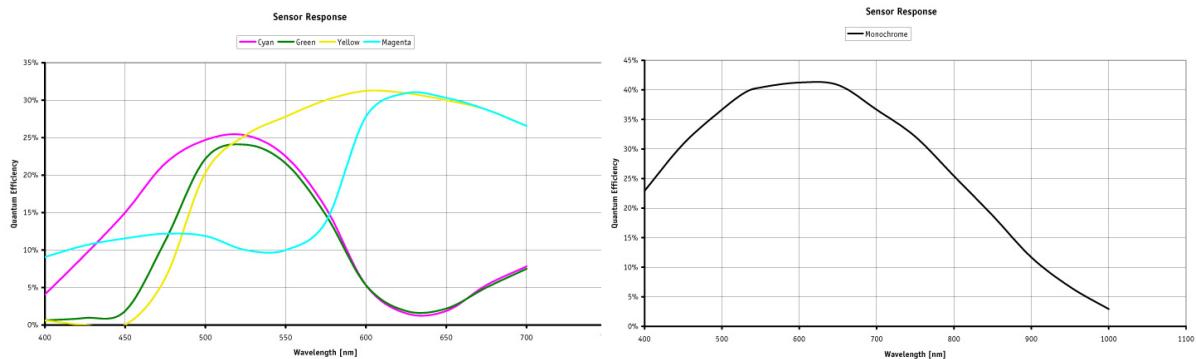
- **Modular Options:**

- White Medical enclosure
- CS Lens Mount (Factory conversion)
- IRC Filter on Monochrome cameras (Factory installation)

## Specifications

<b>Prosilica GS</b>		<b>660</b>
<b>Interface</b>		IEEE 802.3 1000baseT
<b>Resolution</b>		659 x 493
<b>Sensor</b>		Sony ICX618
<b>Type</b>		CCD Progressive
<b>Sensor Size</b>		Type 1/4
<b>Cell size</b>		5.6 $\mu$ m
<b>Lens mount</b>		C/CS
<b>Max frame rate at full resolution</b>		119 fps
<b>A/D</b>		14 bit
<b>On-board FIFO</b>		16 MB
		<b>Output</b>
<b>Bit depth</b>		8/12 bit
<b>Mono modes</b>		Mono8, Mono12, Mono16
<b>Color modes YUV</b>		YUV411, YUV422, YUV444
<b>Color modes RGB</b>		RGB24, BGR24, RGBA24, BGRA24
<b>Raw modes</b>		Bayer8, Bayer12, Bayer16
<b>General purpose inputs/outputs (GPIOs)</b>		
<b>TTL I/Os</b>		1 input, 1 output
<b>Opto-coupled I/Os</b>		1 input, 1 output
<b>RS-232</b>		1
<b>Power/Mass/Dimensions/Regulations</b>		
<b>Power requirements (DC)</b>		5V - 25V
<b>Power consumption (12 V)</b>		3W
<b>Mass</b>		184 g
<b>Body Dimensions (L x W x H in mm)</b>	96x56x26 including connectors, w/o tripod and lens	
<b>Regulations</b>	CE, FCC, Class A, RoHS	

[Bayer8, Bayer12, Bayer16](#)[Download Prosilica GS660 technical drawing \(click here\)](#)



## Smart features

The GS660 features include:

- Auto Exposure
- Auto Gain
- Auto White balance
- Flexible Binning
- Region of Interest readout (AOI partial scan)
- StreamBytesPerSecond (easy bandwidth control)
- Stream hold
- Asynchronous external trigger and sync I/O
- Global shutter (digital shutter)
- Recorder and Multiframe Acquisition Modes

## Applications

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

- machine vision
- industrial inspection
- public security
- traffic monitoring
- microscopy