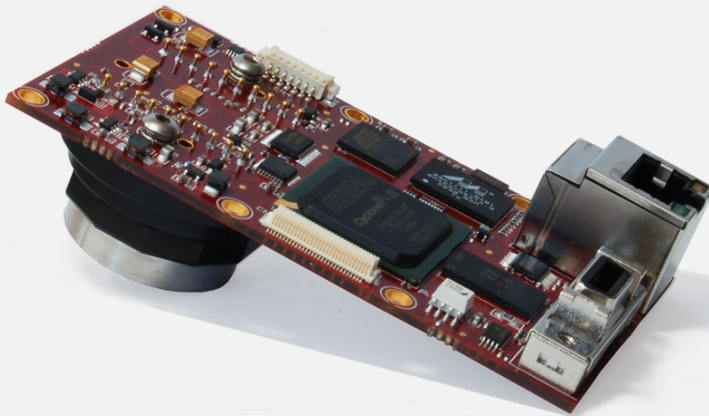


GB660



Description

High speed single-board CCD camera with ExView sensor

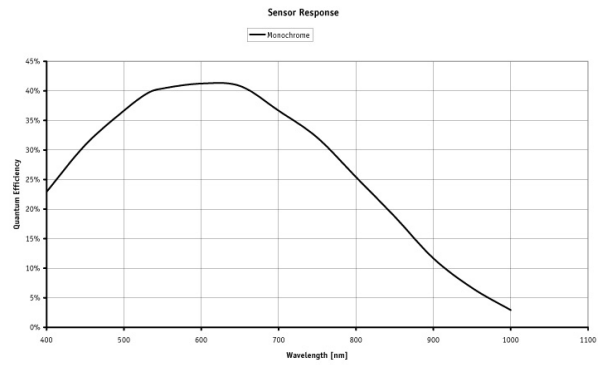
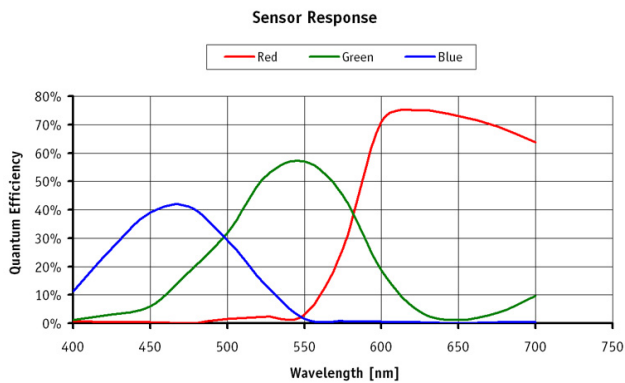
The GB660 is a fast, VGA resolution, high-performance single-board machine vision camera with Gigabit Ethernet interface (GigE Vision®). The GB660 incorporates a Sony ExView HAD CCD sensor that has particularly high quantum efficiency and excellent NIR response for excellent image quality and sensitivity.

- Sony ICX618 ExView HAD sensor
- 119 fps at 659x493
- available with optional vertical connector orientation
- **Models:**
 - GB660, 659x493, 119 fps, CCD, Mono
 - GB660C, 659x493, 119 fps, CCD, Color
 - GB660-V, 659x493, 119 fps, CCD, Mono, Vertical
 - GB660C-V, 659x493, 119 fps, CCD, Color, Vertical
 - [Explanation of model suffixes \(-P, -V, -PV, portrait, vertical\)](#)

Specifications

Prosilica GB 660	
Interface	IEEE 802.3 1000baseT
Resolution	659 x 493
Sensor	Sony ICX618
Type	CCD Progressive
Sensor Size	Type 1/4
Cell size	5.6 μm
Lens mount	C/CS
Max frame rate at full resolution	119 fps
A/D	14 bit
On-board FIFO	16 MB
Output	
Bit depth	8/12 bit
Mono modes	Mono8, Mono12Packed, Mono16
Color modes YUV	YUV411, YUV422, YUV444
Color modes RGB	RGB24, BGR24, RGBA24, BGRA24
Raw modes	Bayer8, Bayer12Packed, Bayer16
General purpose inputs/outputs (GPIOs)	
TTL I/Os	1 input, 1 output
Opto-coupled I/Os	1 input, 1 output
RS-232	1
Power/Mass/Dimensions/Regulations	
Power requirements (DC)	5V - 25V
Power consumption (12 V)	3 W
Mass	53 g
Body Dimensions (L x W x H in mm)	51 x 89 mm (board size - W x L)
Regulations	RoHS, Class A

[Download Prosilica GB660 technical drawing \(click here\)](#)



Smart features

The GB660 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 GB660 is ideal for a wide range of applications including:

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