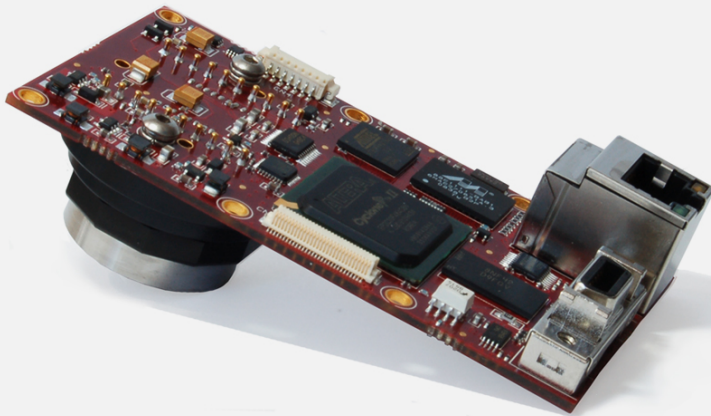


## GB660



### Description

#### High speed single-board CCD camera with Ex-view sensor

The GB660 is a fast, VGA-resolution, high-performance 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.

The GB660 is available with optional vertical connector orientation.

#### Models:

- GB660, 659x493, 120 fps, CCD, Mono
- GB660C, 659x493, 120 fps, CCD, Color
- GB660-V, 659x493, 120 fps, CCD, Mono, Vertical
- GB660C-V, 659x493, 120 fps, CCD, Color, Vertical

>> [Explanation of model suffixes \(-P, -V, -PV, portrait, vertical\)](#)

#### Features include:

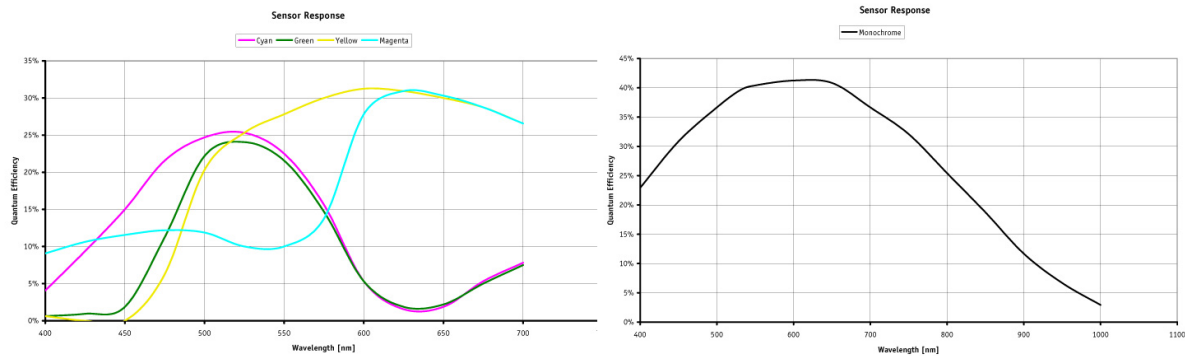
- 120 fps at 659x493
- 5.6x5.6 um pixel size

- High Sensitivity
- Sony ExView HAD sensor

## Specifications

<b>Prosilica GB</b>	<b>GB660</b>
<b>Resolution</b>	659 x 493
<b>Max frame rate at full resolution</b>	119 fps
<b>Type</b>	CCD Progressive
<b>Interface</b>	IEEE 802.3 1000baseT
<b>A/D</b>	14 bit
<b>Output</b>	8/12 bit
<b>Sensor Size</b>	Type 1/4
<b>Sensor</b>	Sony ICX618
<b>Cell size</b>	5.6 $\mu$ m
<b>On-board FIFO</b>	16 MB
<b>Body Dimensions (L x W x H in mm)</b>	51 x 89 mm (board size - W x L)

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



## Smart features

The GB660 features include:

- 120 fps at 659x493
- 5.6x5.6 um pixel size
- High Sensitivity
- Sony ExView HAD sensor
- Progressive Scan CCD
- Global shutter (Snapshot shutter)
- StreamBytesPerSecond (easy bandwidth control)
- Gigabit Ethernet interface
- Very small and light weight
- Compliant with the AIA GigE Vision standard
- Asynchronous external trigger and sync I/O
- Region of Interest readout (AOI partial scan)
- Software development Kit
- Color output modes include RGB color
- Optional vertical connector orientation [[more info](#)]

## **Applications**

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

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