

## GC655



### Description

#### Very Small VGA CCD camera - 90 fps

The GC655 is a fast, VGA resolution, high-performance machine vision camera with Gigabit Ethernet interface (GigE Vision®). The 1/2" CCD sensor has excellent image quality and sensitivity.

- Sony ICX414
- 90 fps at 659 x 493
- **Models:**
  - GC655, 659x493, 90 fps, CCD, mono
  - GC655C, 659x493, 90 fps, CCD, color

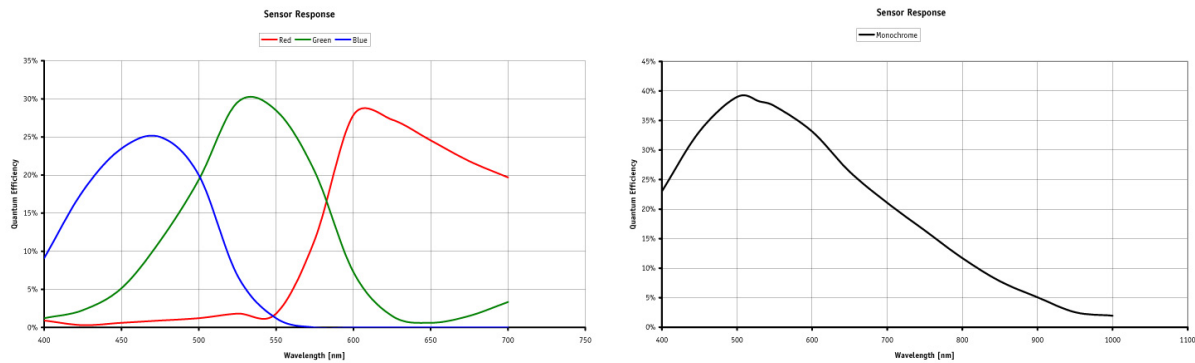
Important information: [Prosilica GC Power Voltage Specification Update](#)

## Specifications

<b>Prosilica GC</b>		<b>655</b>	
<b>Interface</b>	IEEE 802.3 1000baseT		
<b>Resolution</b>	659 x 493		
<b>Sensor</b>	Sony ICX414		
<b>Type</b>	CCD Progressive		
<b>Sensor Size</b>	Type 1/2		
<b>Cell size</b>	9.9 µm		
<b>Lens mount</b>	C		
<b>Max frame rate at full resolution</b>	90 fps		
<b>A/D</b>	12 bit		
<b>On-board FIFO</b>	16 MB		
<b>Output</b>			
<b>Bit depth</b>	8/12 bit		
<b>Mono modes</b>	Mono8, Mono12Packed, Mono16		
<b>Color modes YUV</b>	YUV411, YUV422, YUV444,		
<b>Color modes RGB</b>	RGB24, BGR24, RGBA24, BGRA24		
<b>Raw modes</b>	Bayer8, Bayer12Packed, 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>	5-16 V*		
<b>Power consumption (12 V)</b>	3 W		
<b>Mass</b>	100 g		
<b>Body Dimensions (L x W x H in mm)</b>	59x46x33 including connectors, w/o tripod and lens		
<b>Regulations</b>	CE, FCC, Class A, RoHS		

\* Cameras shipped after April 1, 2011 support 5-25 VDC. Please review the [Prosilica GC Power Voltage Specification Update](#) for further information.

[Download Prosilica GC655 technical drawing \(click here\)](#)



## Smart features

The GC655 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 GC655 is ideal for a wide range of applications including:

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