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

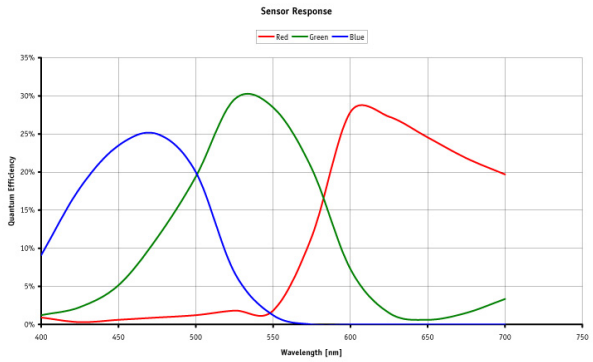
Important information: Prosilica GC Power Voltage Specification Update

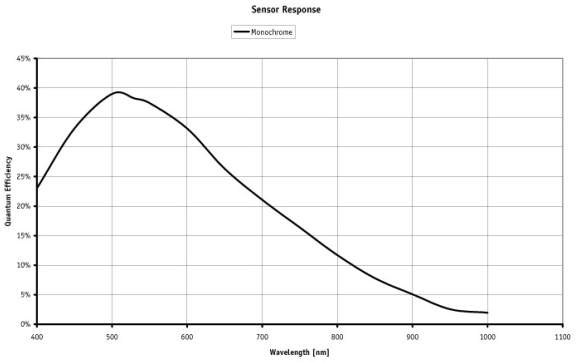
Specifications

Prosilica GC	655
Interface	IEEE 802.3 1000baseT
Resolution	659 x 493
Sensor	Sony ICX414
Sensor type	CCD Progressive
Sensor size	Type 1/2
Cell size	9.9 µm
Lens mount	C
Max frame rate at full resolution	90 fps
A/D	12 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
	Operating conditions/Dimensions
Power requirements (DC)	5-16 V*
Power consumption (12 V)	3 W
Mass	100 g
Body Dimensions (L x W x H in mm)	59x46x33 including connectors, w/o tripod and lens
Regulations	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