

GC655



Description

Very Small VGA CCD camera - 90 fps

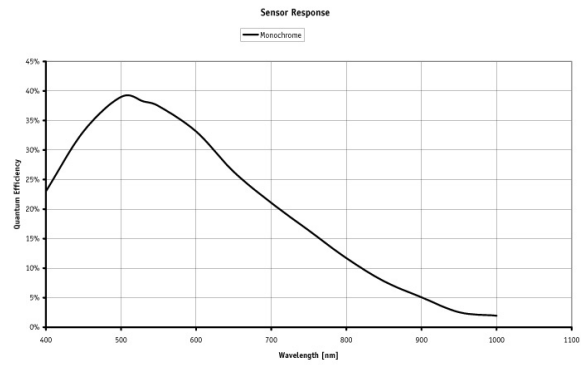
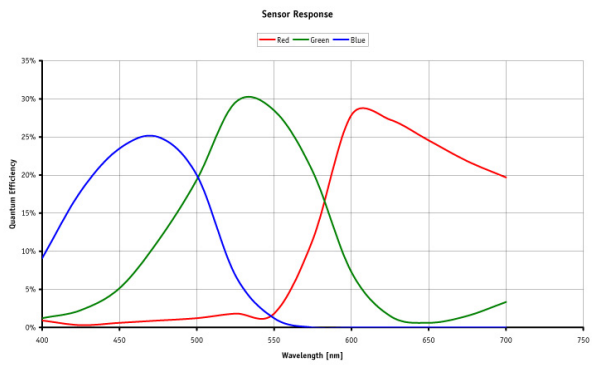
The GC655 is a fast, VGA resolution, high-performance machine vision camera with Gigabit Ethernet interface (GigE Vision®). The 1/2" CCD sensor has excellent image quality and sensitivity.

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

Specifications

Prosilica GC		655	
Interface	IEEE 802.3 1000baseT		
Resolution	659 x 493		
Sensor	Sony ICX414		
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, Mono12, Mono16		
Color modes YUV	YUV411, YUV422, YUV444,		
Color modes RGB	RGB24, BGR24, RGBA24, BGRA24		
Raw modes	Bayer8, Bayer12, 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)	12 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		

[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