

GC780



Description

Low cost GigE camera - 64 fps

The GC780 is an ultra-compact, economically priced, machine vision camera with Gigabit Ethernet interface. The GC780 incorporates the Sony ICX415 CCD sensor and runs 64 frames per second at 782x582 resolution over the GigE Vision® compliant Gigabit Ethernet interface.

- 1/2" Sony ICX415 Progressive Scan CCD
- 64 fps at 782x582
- **Models:**
 - GC780, 782x582, 64 fps, CCD, mono
 - GC780C, 782x582, 64 fps, CCD, color

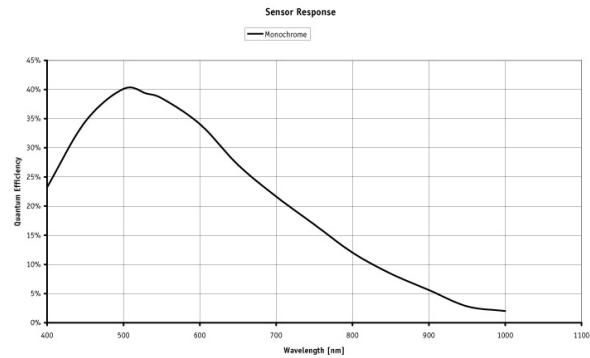
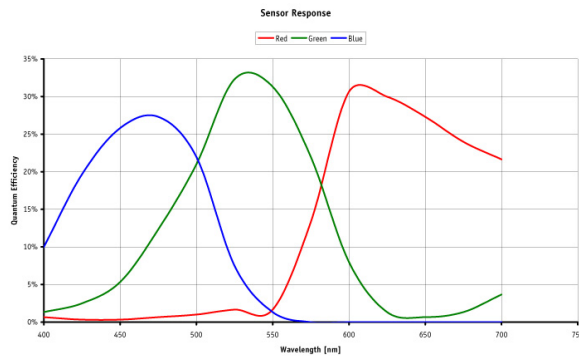
Important information: [Prosilica GC Power Voltage Specification Update](#)

Specifications

Prosilica GC		780
Interface	IEEE 802.3 1000baseT	
Resolution	782 x 582	
Sensor	Sony ICX415	
Type	CCD Progressive	
Sensor Size	Type 1/2	
Cell size	8.3 μm	
Lens mount	C	
Max frame rate at full resolution	64 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	
Power/Mass/Dimensions/Regulations		
Power requirements (DC)	5-16 V*	
Power consumption (12 V)	2.8 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 GC780 technical drawing \(click here\)](#)



Smart features

The GC780 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 GC780 is ideal for a wide range of applications including:

- industrial inspection
- machine vision
- optical character recognition
- traffic imaging
- robotics
- OEM applications