

GC1600H



Description

Ultra-compact 2 Megapixel CCD camera - 25 fps

The GC1600H GigE Vision camera runs 25 fps at 2 Megapixel resolution and even faster with region of interest readout. The GC1600H incorporates a high-quality Sony CCD sensor providing excellent image quality.

- Sony ICX274 Progressive scan CCD
- Fast frame rate - 25 fps at full resolution
- **Models:**
 - GC1600H, 1620x1220, 25 fps, CCD, mono
 - GC1600CH, 1620x1220, 25 fps, CCD, color

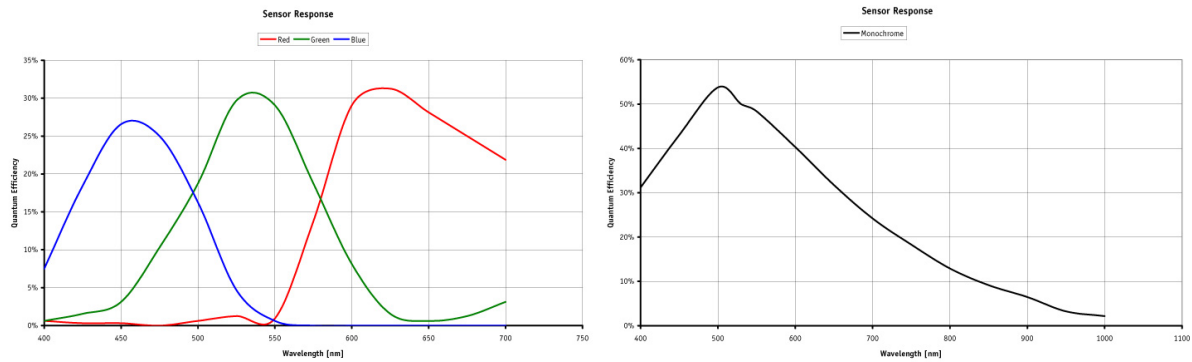
Important information [Prosilica GC Power Voltage Specification Update](#)

Specifications

Prosilica GC		1600H	
Interface	IEEE 802.3 1000baseT		
Resolution	1620 x 1220		
Sensor	Sony ICX274		
Sensor type	CCD Progressive		
Sensor size	Type 1/1.8		
Cell size	4.4 μm		
Lens mount	C/CS		
Max frame rate at full resolution	25 fps		
A/D	14 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)	3.3 W		
Mass	105 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 GC1600H technical drawing \(click here\)](#)



Smart features

The GC1600H 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 GC1600H is ideal for a wide range of applications including:

- industrial inspection
- machine vision
- ophthalmology
- LCD panel inspection
- aeronautical and aerospace
- biometrics
- public security
- surveillance
- traffic imaging
- OEM applications