

## Description

### 5 Megapixel periscope type camera with GigE Vision

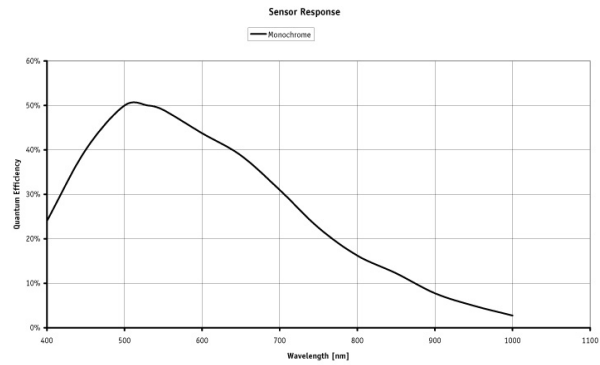
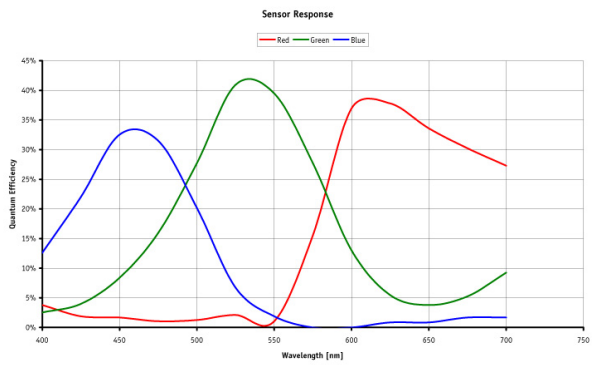
The 5-megapixel GS2450 is a very high-resolution CCD camera with Gigabit Ethernet output (GigE Vision®). The GS2450 uses the high-quality Sony ICX625 CCD image sensor that provides superior image quality, excellent sensitivity, and low noise.

- Sony ICX625 CCD sensor
- 15 fps at full resolution (2448 x 2050)
- Progressive Scan / Global shutter
  
- **Models:**
  - GS2450, 2448x2050, 15 fps, CCD, Mono
  - GS2450C, 2448x2050, 15 fps, CCD, Color
  
- **Modular options:**
  - White Medical enclosure
  - CS Lens Mount (Factory conversion)
  - IRC Filter on Monochrome cameras (Factory installation)

## Specifications

<b>Prosilica GS 2450</b>	
<b>Interface</b>	IEEE 802.3 1000baseT
<b>Resolution</b>	2448 x 2050
<b>Sensor</b>	Sony ICX625
<b>Type</b>	CCD Progressive
<b>Sensor Size</b>	Type 2/3
<b>Cell size</b>	3.45 µm
<b>Lens mount</b>	C
<b>Max frame rate at full resolution</b>	15 fps
<b>A/D</b>	14 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>	5V - 25V
<b>Power consumption (12 V)</b>	3.8W
<b>Mass</b>	186 g
<b>Body Dimensions (L x W x H in mm)</b>	96x56x26 including connectors, w/o tripod and lens
<b>Regulations</b>	CE, FCC, Class A, RoHS

[Download Prosilica GS2450 technical drawing \(click here\)](#)



## Smart features

The GS2450 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**

Applications for the GS2450 include:

- LCD panel inspection
- high-resolution industrial inspection
- 3-D metrology
- general machine vision
- public security
- surveillance
- traffic imaging (Intelligent Traffic Systems)
- embedded systems
- microscopy