

GX1660



Description

Fast frame rate, 2 megapixel CCD camera - Dual port GigE

The 2 Megapixel Prosilica GX1660 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision®). The GX1660 incorporates a high-quality 2/3" Kodak KAI-02050 CCD sensor providing excellent monochrome and color image quality in 4:3 format.

The GX1660 has two screw-captivated Gigabit Ethernet ports configured as a Link Aggregation Group (LAG) to provide a sustained maximum data rate of 240 MBytes per second.

The GX1660 runs 66 frames per second at 1600 x1200 resolution and even faster with region of interest readout. The GX1660 works with standard gigabit Ethernet hardware and cables and can have cable lengths up to 100 meters (300 ft) long using conventional Cat5e.

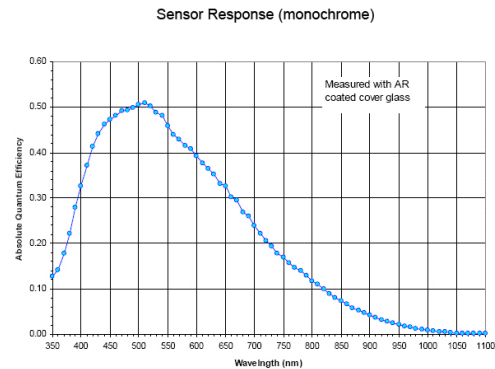
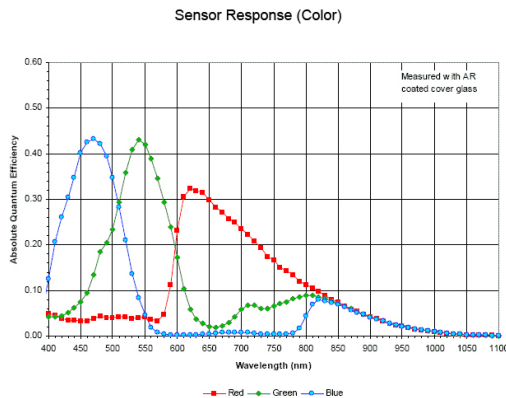
Features include:

- 2 megapixels (1600x1200)
- Motorized lens controls - 3-axis
- Thermal management enclosure
- Video-type autoiris controls
- 128 MB resend/image buffer

Specifications

Prosilica GX	GX1660
Resolution	1600 x 1200
Max frame rate at full resolution	66 fps
Type	CCD Progressive
Interface	Double Speed IEEE 802.3 1000baseT
A/D	14 bit
Output	8/14 (mono) - 8/12 (color) bit
Sensor Size	Type 2/3
Sensor	Kodak KAI-02050
Cell size	5.5 μm
On-board FIFO	128 MB
Body Dimensions (L x W x H in mm)	33 x 53.3 x 107.2 (including connectors, w/o tripod and lens)

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



Smart features

The Prosilica GX1660 features include:

- High resolution - 2 megapixels (1600x1200)
- Extra fast frame rate - 66 fps at full-resolution
- 2/3" Kodak KAI-02050 Progressive scan CCD
- StreamBytesPerSecond (easy bandwidth control)
- Advanced binning functions
- Thermal management enclosure
- Global shutter (Snapshot shutter)
- Gigabit Ethernet interface - Dual Port 240 MB/s
- GigE Vision compliant
- Motorized lens controls - 3-axis
- Video-type autoiris controls
- Asynchronous external trigger and sync I/O
- 128 MB resend/image buffer
- Screw-captivated power connection
- Software development Kit

Applications

The GX1660 is ideal for a wide range of applications including:

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