

GX1050



Description

High speed megapixel CCD camera - Dual Port GigE

The Megapixel Prosilica GX1050 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision®) with very fast frame rate. The GX1050 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 GX1050 incorporates the 1024x1024 Kodak KAI-01050 CCD running 112 frames per second at megapixel resolution and even faster with region of interest readout. The progressive scan architecture and global electronic shutter provide excellent image quality for full motion video and still image capture.

The GX1050 works with standard gigabit Ethernet hardware and cables and can have cable lengths up to 100 meters (300 ft) long using conventional Cat5e.

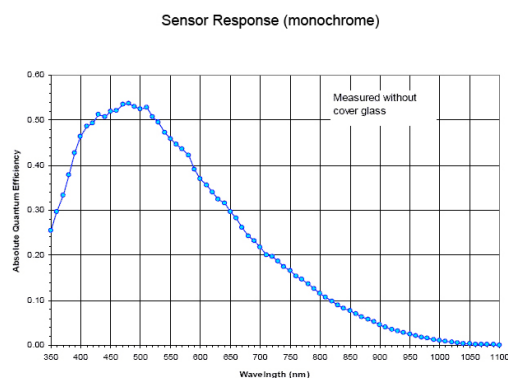
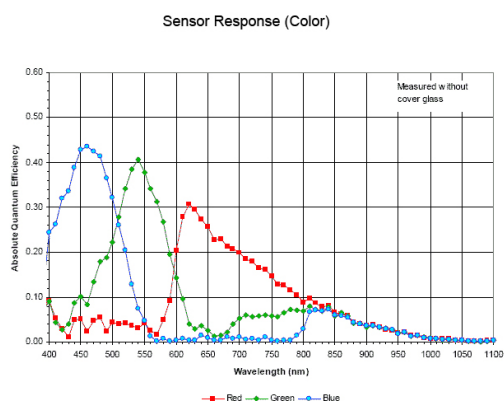
Features include:

- Fast frame rate - 112 fps
- High resolution - 1 megapixels (1024 x 1024)
- Thermal management enclosure
- Kodak KAI-01050 1/2" Progressive scan CCD
- Gigabit Ethernet interface - 240 MB/s Dual Port

Specifications

Prosilica GX	GX1050
Resolution	1024 x 1024
Max frame rate at full resolution	112 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 1/2
Sensor	Kodak KAI-01050
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 GX1050 features include:

- Fast frame rate - 112 fps
- High resolution - 1 megapixels (1024 x 1024)
- Kodak KAI-01050 1/2" Progressive scan CCD
- Gigabit Ethernet interface - 240 MB/s Dual Port
- StreamBytesPerSecond (easy bandwidth control)
- Thermal management enclosure
- Advanced binning functions
- Global shutter (Snapshot shutter)
- GigE Vision compliant
- Long cables up to 100 m on network cabling
- Region of Interest readout (AOI partial scan)
- 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 GX1050 is ideal for a wide range of applications including:

- industrial inspection
- machine vision
- medical imaging
- public security
- surveillance
- traffic imaging
- OEM applications