

GE1050



Description

Fast CCD Megapixel camera - 60 fps

The 1 Megapixel GE1050 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision®) with very fast frame rate.

The GE1050 incorporates the 1024 x 1024 Kodak KAI-01050 CCD running 60 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 GE1050 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:

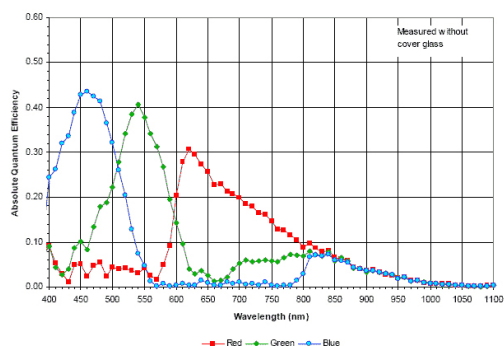
- High resolution - 1 megapixels (1024 x 1024)
- Kodak KAI-01050 1/2" Progressive scan CCD
- Global shutter (Snapshot shutter)
- Fast frame rate - 60 fps
- GigE Vision compliant
- Region of Interest readout (AOI partial scan)

Specifications

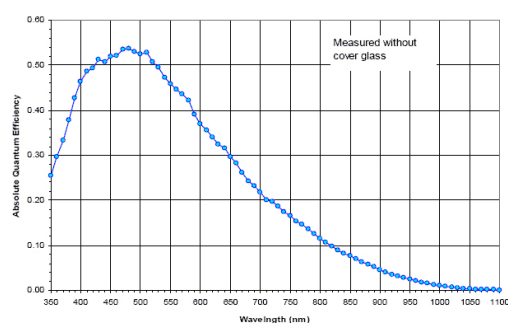
Prosilica GE	GE1050
Resolution	1024 x 1024
Max frame rate at full resolution	59 fps
Type	CCD Progressive
Interface	IEEE 802.3 1000baseT
A/D	12 bit
Output	8/12 bit
Sensor Size	Type 1/2
Sensor	Kodak KAI-01050
Cell size	5.5 μm
On-board FIFO	32 MB
Body Dimensions (L x W x H in mm)	39x51x80 including connectors, w/o tripod and lens

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

Sensor Response (Color)



Sensor Response (monochrome)



Smart features

The GE1050 features include:

- High resolution - 1 megapixels (1024 x 1024)
- Kodak KAI-01050 1/2" Progressive scan CCD
- Global shutter (Snapshot shutter)
- StreamBytesPerSecond (easy bandwidth control)
- Fast frame rate - 60 fps
- Gigabit Ethernet interface
- GigE Vision compliant
- Long cables up to 100 m on network cabling
- Region of Interest readout (AOI partial scan)
- Binning modes
- Asynchronous external trigger and sync I/O
- 32 MB resend buffer
- Screw-captivated power connection
- Software development Kit

Applications

The GE1050 is ideal for a wide range of applications including:

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