

GE2040



Description

High-performance 4 megapixel CCD camera - 15 fps

The 4-megapixel GE2040 is a very high-resolution CCD camera with Gigabit Ethernet output. The GE2040 has a fast frame rate of 15 fps at 2040x2040 resolution. The sensor used in the GE2040 is the high-quality KAI-04022 CCD image sensor from Kodak and provides superior image quality, excellent sensitivity, and low noise.

The GigE Vision® compliant GE2040 works with standard gigabit Ethernet hardware and cable lengths up to 100 meters (300 ft) using conventional Cat5e network cabling.

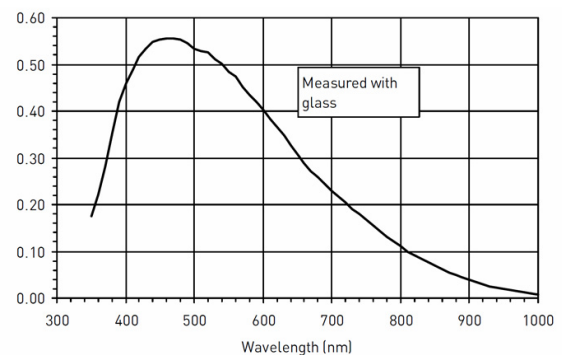
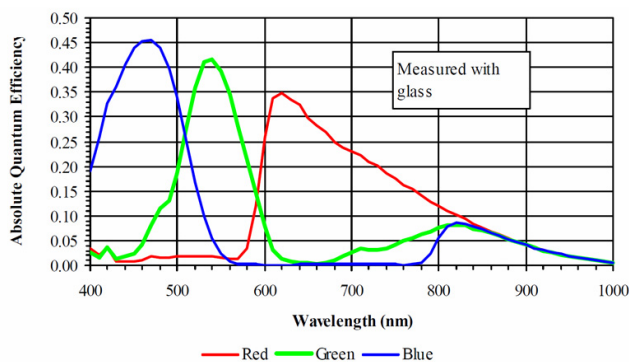
Features include:

- 4 Megapixels (2048x2048)
- 1.2" Format CCD sensor
- Fast - 15 frames per second
- Available in C-mount or F-mount models.

Specifications

Prosilica GE	GE2040
Resolution	2040 x 2048
Max frame rate at full resolution	15 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-04022
Cell size	7.4 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 \(click here\)](#)



Smart features

Features include:

- High resolution 2048x2048
- 1.2" Format CCD sensor
- Fast - 15 frames per second
- StreamBytesPerSecond (easy bandwidth control)
- Progressive Scan - Global shutter (snapshot)
- Gigabit Ethernet interface
- GigE Vision™ compliant
- Asynchronous external trigger and sync I/O
- Region of Interest readout (AOI partial scan)
- Long cables - up to 100 m
- 32 MB resend buffer
- Screw-captivated power connection
- Easy to use software development Kit (SDK)
- Color and monochrome models
- C-mount or F-mount models

Applications

The GE2040 is ideal for a wide range of applications including:

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