



Description

11 Megapixel CCD camera - 5 fps

The 11-megapixel GE4000 is a very high-resolution CCD camera with Gigabit Ethernet output. The 35 mm format sensor used in the GE4000 is the high-quality Kodak KAI-11002 CCD image sensor that provides exceptionally high resolution, sensitivity, and dynamic range.

The GigE Vision® compliant GE4000 works with standard gigabit Ethernet hardware and cable lengths up to 100 meters (300 ft) using conventional Cat5e network cable.

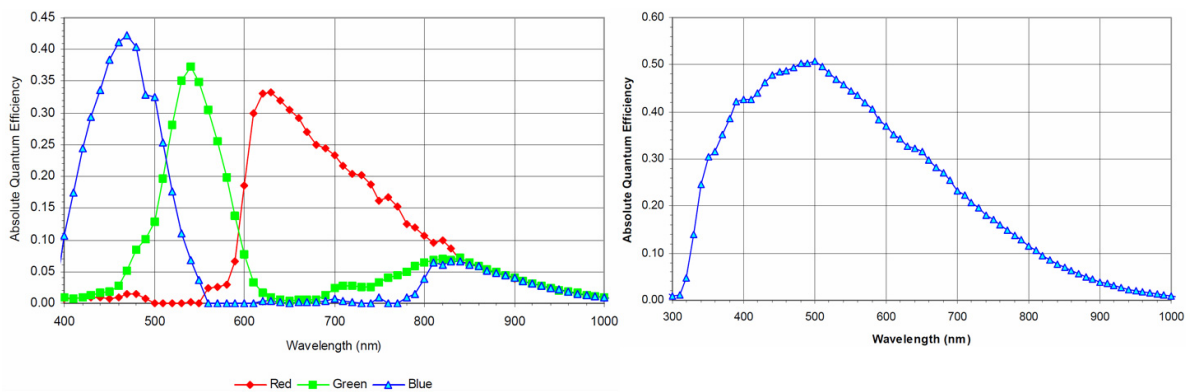
Features include:

- 11 Megapixels (4008 x 2672)
- 5 frames per second
- Progressive Scan - Global shutter (snapshot)
- Gigabit Ethernet interface

Specifications

Prosilica GE	GE4000
Resolution	4008 x 2672
Max frame rate at full resolution	5 fps
Type	CCD Progressive
Interface	IEEE 802.3 1000baseT
A/D	12 bit
Output	8/12 bit
Sensor Size	Type 35 mm
Sensor	Kodak KAI-11002
Cell size	9 μ m
On-board FIFO	32 MB
Body Dimensions (L x W x H in mm)	66x66x110 including connectors, w/o tripod and lens

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



Smart features

Features include:

- High resolution 4008x2672 pixels
- 5 frames per second
- Progressive Scan - Global shutter (snapshot)
- StreamBytesPerSecond (easy bandwidth control)
- Flexible binning
- 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
- F-mount lens mount

Applications

The GE4000 is ideal for a wide range of applications requiring very high resolution. These include:

- LCD panel inspection
- semiconductor wafer inspection
- solar panel inspection
- aerial photography
- 3-D metrology
- general machine vision
- public security
- surveillance
- traffic imaging (Intelligent Traffic Systems)
- embedded systems
- OEM applications

Application Case Studies:

- **Prosilica Cameras Go Airborne**
Security & Traffic: Prosilica GE4000 used in UAV technology.
- **GE4000 Observes Gamma-Ray Phenomena**
Science & Research: The Sternberg Astronomical Institute of the Moscow State University in Russia uses Prosilica GE4000 GigE Vision cameras to detect and measure gamma ray bursts.