

## GE1900



### Description

#### High Resolution CCD camera with GigE Vision interface - 30 frames per second

The 2 Megapixel GE1900 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision®). The GE1900 incorporates a high-quality Kodak KAI-2093 CCD sensor providing excellent monochrome and color image quality). The GE1900 runs 30 frames per second at 1920 x1080 resolution and even faster with region of interest readout.

The GE1900 works with standard gigabit Ethernet hardware and cables and can have cable lengths up to 100 meters (300 ft) long using conventional Cat5e.

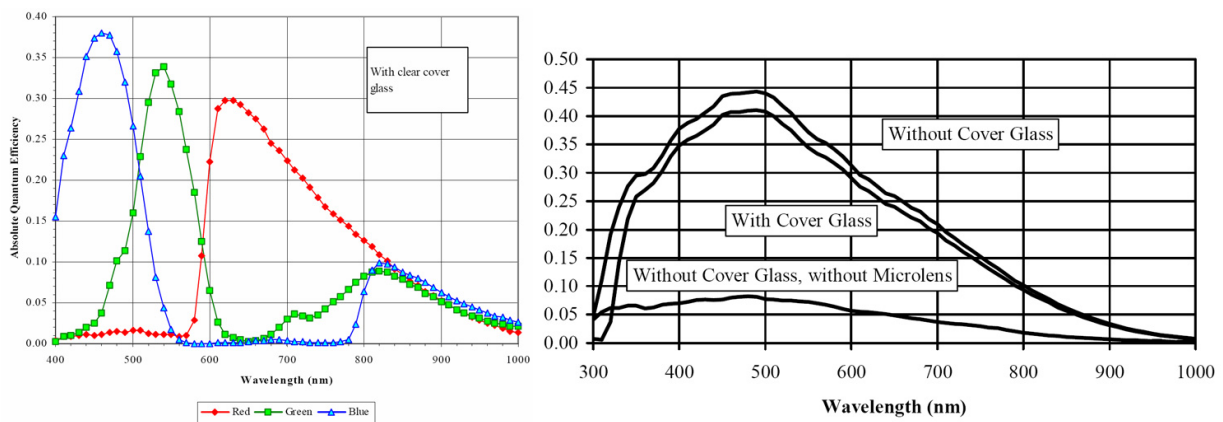
Features include:

- High resolution - 2 megapixels (1920x1080)
- Kodak KAI-2093 Progressive scan CCD
- Global shutter (Snapshot shutter)
- Extra fast frame rate - 30 fps at full-resolution

## Specifications

Prosilica GE	GE1900
<b>Resolution</b>	1920 x 1080
<b>Max frame rate at full resolution</b>	30 fps
<b>Type</b>	CCD Progressive
<b>Interface</b>	IEEE 802.3 1000baseT
<b>A/D</b>	12 bit
<b>Output</b>	8/12 bit
<b>Sensor Size</b>	Type 1
<b>Sensor</b>	Kodak KAI-2093
<b>Cell size</b>	7.4 $\mu\text{m}$
<b>On-board FIFO</b>	32 MB
<b>Body Dimensions (L x W x H in mm)</b>	39x51x80 including connectors, w/o tripod and lens

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



## Smart features

Features include:

- High resolution - 2 megapixels (1920x1080)
- Kodak KAI-2093 Progressive scan CCD
- Global shutter (Snapshot shutter)
- StreamBytesPerSecond (easy bandwidth control)
- Extra fast frame rate - 30 fps at full-resolution
- 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 GE1900 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