

High Definition Resolution CCD Camera

- 2/3" format - HD resolution (1920x1080)
- Kodak KAI-02150 Progressive scan CCD
- Global shutter (Snapshot shutter)
- Gigabit Ethernet interface
- Fast frame rate - 32 fps at full-resolution
- Asynchronous external trigger and sync I/O



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Resolution	1920x1080
Sensor Type	Kodak KAI-02150 Progressive scan CCD
Pixel Size (µm)	5.5 x 5.5
Maximum Frame Rate	32 fps at 1920x1080
Lens Mount	C-mount with adjustable back focus
Digital Interface*	GigE Vision 1.0
Interface Type	IEEE 802.3 1000baseT
Exposure Range	10µs to 60s
Region of Interest (ROI)	Independent x and y control; 1 pixel resolution
Binning	Independent H and V control
Imaging Modes	External Trigger, Fixed frame rate, Software trigger
External Trigger Modes	Rising edge, Falling edge, Any edge, Level high, Level low
External Sync Modes	Trigger ready, Trigger input, Exposing, Readout, Imaging, Strobe, GPO
External Trigger/ Sync Connection	mini-SMB and 12-pin Hirose
Monochrome Modes	Mono8, Mono16**
Color Modes	Bayer8, Bayer16, RGB24, YUV411, YUV422, YUV444, BGR24, RGBA24, BGRA24
GPIO	1 isolated TTL input, 3 isolated TTL outputs, RS232 I/O
Power Consumption	5 W (12V)
Housing Size	39x51x63 mm
Weight	169 g
Conformity	CE, FCC, RoHS
SDK	Free - includes sample code and driver

About the GE1910 / 1910C

The new 2/3" format, HD-resolution, 2 megapixel GE1900 is a high-resolution CCD camera with Gigabit Ethernet interface (GigE Vision™). The GE1910 incorporates the new Kodak KAI-02150 CCD sensor excellent image quality in HD resolution (1080p). The GE1910 runs 32 frames per second at 1920 x1080 resolution and even faster with region of interest readout.

Applications for the GE1910 include:

- industrial inspection
- machine vision
- LCD panel inspection
- medical imaging
- ophthalmology
- aeronautical and aerospace
- public security
- surveillance
- traffic imaging
- OEM applications

The Prosilica Advantage

- Image quality
- High reliability
- High performance
- Ultra-Compact
- Ease of use and integration
- Rich set of camera features

*GigE Vision™ is a trademark of the Automated Imaging Association

**Mono16 is available on monochrome models only

Specifications are subject to change without notice

Please refer to the Prosilica web site for a full list of specifications