

## GX1910



### Description

#### 2 Megapixel HD CCD camera with high frame rate - Dual port GigE

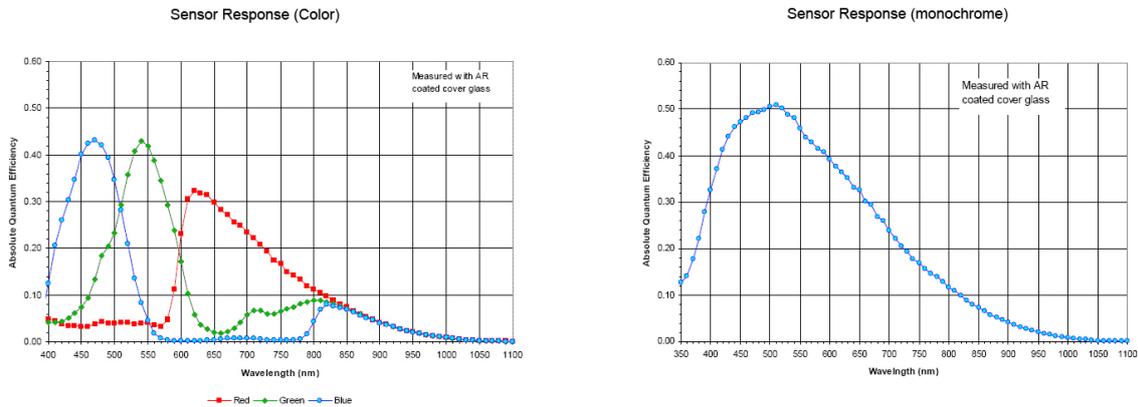
The new 2/3" format Prosilica GX1910 is a high-resolution CCD camera with a Gigabit Ethernet interface (GigE Vision®). The GX1910 incorporates the new Kodak KAI-02150 CCD sensor providing excellent image quality in High Definition resolution (1080p). The GX1910 has two screw-captivated Gigabit Ethernet ports configured as a Link Aggregation Group (LAG) to provide a sustained maximum data rate of 240 MBytes per second. The Prosilica GX1910 can also work at half the bandwidth (120 MB/s) using a single cable.

- 3-axis Motorized lens controls
- Video auto-iris
- Single or dual Ethernet port operation
- Thermal management enclosure
- **Models:**
  - GX1910, 1920x1080, 63 fps (dual port) - 55 fps (single port), CCD, mono
  - GX1910C, 1920x1080, 63 fps (dual port) - 55 fps (single port), CCD, color
- **Modular Options:**
  - Nikon F-mount (Factory conversion)
  - Canon EF Lens Mount (Factory conversion via RS232 I/O)
  - IRC Filter on Monochrome cameras (Factory installation)
  - Taped glass and microlens (Factory built)
  - Taped glass No microlens (Factory built)

## Specifications

<b>Prosilica GX</b>		<b>1910</b>
<b>Interface</b>	IEEE 802.3 1000baseT	
<b>Resolution</b>	1920 x 1080	
<b>Sensor</b>	Kodak KAI-02150	
<b>Sensor type</b>	CCD Progressive	
<b>Sensor size</b>	Type 2/3	
<b>Cell size</b>	5.5 µm	
<b>Lens mount</b>	C	
<b>Max frame rate at full resolution</b>	63 fps	
<b>A/D</b>	14 bit	
<b>On-board FIFO</b>	128 MB	
<b>Output</b>		
<b>Bit depth</b>	8/14 (mono) - 8/12 (color) bit	
<b>Mono modes</b>	Mono8, Mono12Packed, Mono16	
<b>Color modes YUV</b>	YUV411, YUV422, YUV444	
<b>Color modes RGB</b>	RGB24, BGR24, RGBA24, BGRA24	
<b>Raw modes</b>	Bayer8, Bayer12Packed, Bayer16	
<b>General purpose inputs/outputs (GPIOs)</b>		
<b>Opto-coupled I/Os</b>	2 inputs, 4 outputs	
<b>RS-232</b>	1	
<b>Operating conditions/Dimensions</b>		
<b>Power requirements (DC)</b>	5V - 24V	
<b>Power consumption (12 V)</b>	5.6W (1 port) - 6.7W (2 ports)	
<b>Mass</b>	269 g	
<b>Body Dimensions (L x W x H in mm)</b>	107.2 x 53.3 x 33 (including connectors, w/o tripod and lens)	
<b>Regulations</b>	CE, FCC, Class A, RoHS	

[Download Prosilica GX1910 technical drawing \(click here\)](#)



## Smart features

### The Prosilica GX1910 features include:

- Auto Exposure
- Auto Gain
- Auto White balance
- Flexible Binning
- Region of Interest readout (AOI partial scan)
- StreamBytesPerSecond (easy bandwidth control)
- Stream hold
- Asynchronous external trigger and sync I/O
- Global shutter (digital shutter)
- Recorder and Multiframe Acquisition Modes
- 3-axis motorized lens control
- Video-type autoiris

### White Papers & Application Notes:

[Prosilica GX Image Height Vs. Frame Rate \(PDF - 241 KB\)](#)

[Integrating Motorized Lenses with Prosilica GX Cameras \(PDF - 461KB\)](#)

[Canon EF Adapter on Prosilica GE and Prosilica GX Cameras \(PDF - 466KB\)](#)

## Applications

The GX1910 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

### Application Case Studies:

- [Giant Billboard on Times Square Uses AVT Camera for Interactive Advertising](#)  
Fashion retailer Forever 21's new flagship store in New-York City features giant computer vision billboard that interacts with consumers.