

GT1910



GigE
VISION

Description

NEW: 2 Megapixel CCD camera for extreme environments, fast frame rates

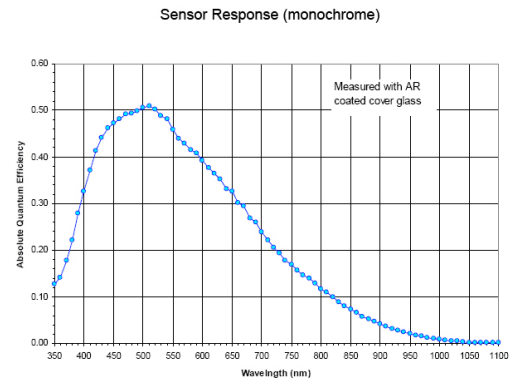
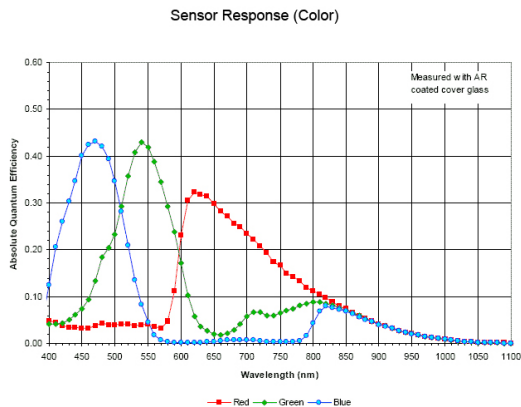
*PRELIMINARY

The Prosilica GT1910 is a 2 Megapixel camera with a Gigabit Ethernet interface (GigE Vision®). The GT1910 is a rugged camera designed to operate in extreme environments and fluctuating lighting conditions. It offers Precise iris lens control allowing users to fix the aperture size to optimize depth of field, exposure and gain without the need for additional control elements. The GT1910 incorporates the new Kodak KAI-02150 CCD sensor providing excellent image quality in High Definition resolution (1080p).

- Kodak KAI-02150 CCD sensor
- Auto Iris (P-Iris and DC)
- Power over Ethernet (PoE)
- Ethernet surge suppression
- Gamma, multiple LUT, color correction
- Metadata (Chunk data), clock synchronization (IEEE1588)
- Wide operating temperature range
- Global shutter (digital shutter)
- **Models:**
 - GT1910, 1920x1080, 55 fps, CCD mono
 - GT1910C, 1920x1080, 55 fps, CCD color

Specifications

Prosilica GT		1910	
Interface	IEEE 802.3 1000baseT		
Resolution	1920 x 1080		
Sensor	Kodak KAI-02150		
Sensor type	CCD Progressive		
Sensor size	Type 2/3		
Cell size	5.5 µm		
Lens mount	C-Mount		
Max frame rate at full resolution	55 fps		
On-board FIFO	128 MB		
Output			
Bit depth	8/14 bit		
Mono modes	Mono8, Mono12Packed, Mono16		
Color modes YUV	YUV411, YUV422, YUV444		
Raw modes	Bayer8, Bayer12Packed, Bayer16		
General purpose inputs/outputs (GPIOs)			
TTL I/Os	1 input, 1 output		
Opto-coupled I/Os	1 input, 1 output		
RS-232	1		
Operating conditions/Dimensions			
Operating temperature	-20°C ... +60°C		
Power requirements (DC)	8-26 V DC		
Power consumption (12 V)	tba		
Mass	tba		
Body Dimensions (L x W x H in mm)	tba		
Regulations	CE, FCC Class A, RoHS		



Smart features

The Prosilica GT1910 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
- Auto Iris (P-Iris and DC)
- Power over Ethernet (PoE)
- Ethernet surge suppression
- Gamma
- Multiple LUT
- Color correction
- Metadata (Chunk data)
- Clock synchronization (IEEE1588)
- Recorder and Multiframe Acquisition Modes

Applications

The Prosilica GT1910 is ideal for a wide range of applications including:

- Outdoor imaging
- Traffic imaging / ITS
- Public security and surveillance
- Industrial inspection
- machine vision
- Military and space applications