



## GT4905/4905C



### Description

#### 16 Megapixel CCD camera for extreme environments - GigE Vision®

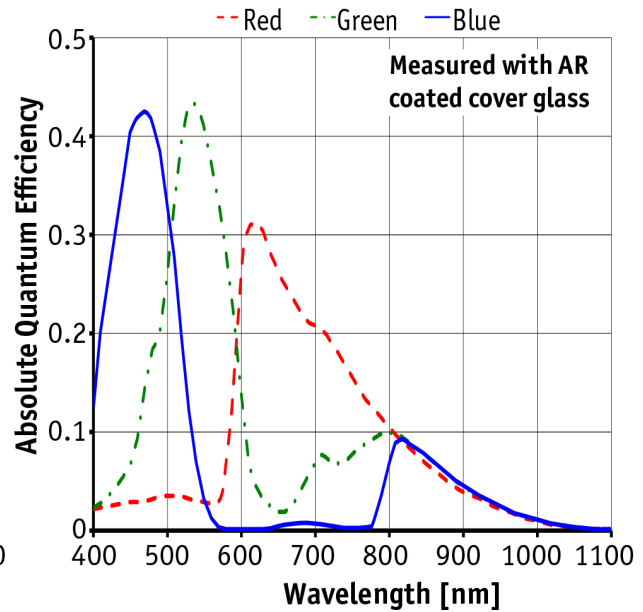
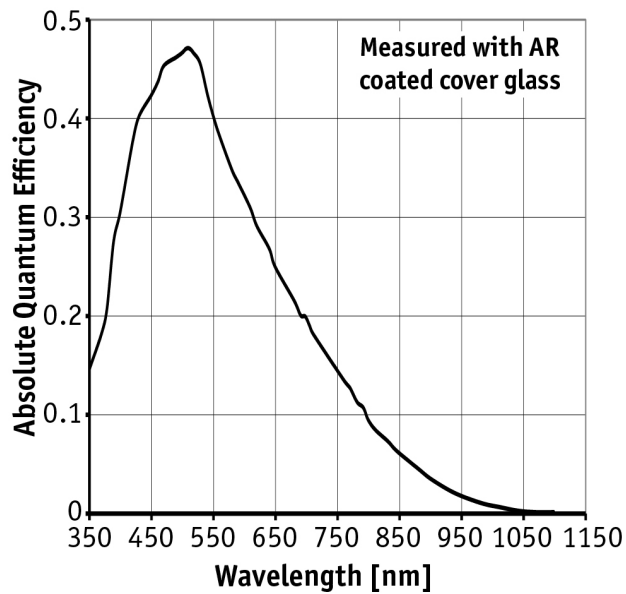
The Prosilica GT4905 is a 16 Megapixel camera with a Gigabit Ethernet interface (GigE Vision®). The GT4905 is a rugged camera designed to operate in extreme environments.

- Truesense KAI-16050 sensor
- 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)
- Camera temperature monitoring
- **Models:**
  - GT4905, 4896 x 3264, 7 fps, CCD mono
  - GT4905C, 4896 x 3264, 7 fps, CCD color

## Specifications

<b>Prosilica GT</b>		<b>4905</b>	
<b>Interface</b>	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)		
<b>Resolution</b>	4896 x 3264		
<b>Sensor</b>	Truesense KAI-16050		
<b>Sensor type</b>	CCD Progressive		
<b>Sensor size</b>	APS-H		
<b>Cell size</b>	5.5 µm		
<b>Lens mount</b>	F-Mount (M58 optional)		
<b>Max frame rate at full resolution</b>	7.5 fps		
<b>A/D</b>	14 bit		
<b>On-board FIFO</b>	128 MB		
<b>Output</b>			
<b>Bit depth</b>	14 (mono) - 12 (color) bit		
<b>Mono modes</b>	Mono8, Mono12, Mono12Packed, Mono14		
<b>Color modes YUV</b>	YUV411Packed, YUV422Packed		
<b>Color modes RGB</b>	RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed		
<b>Raw modes</b>	BayerGR8, BayerGR12, BayerGR12Packed		
<b>General purpose inputs/outputs (GPIOs)</b>			
<b>TTL I/Os</b>	1 input, 2 outputs		
<b>Opto-coupled I/Os</b>	1 input, 2 outputs		
<b>RS-232</b>	1		
<b>Operating conditions/Dimensions</b>			
<b>Operating temperature</b>	-20°C ... +50°C		
<b>Power requirements (DC)</b>	PoE, or 7-25 VDC		
<b>Power consumption (12 V)</b>	7.3 W @ 12 VDC		
<b>Mass</b>	372 g		
<b>Body Dimensions (L x W x H in mm)</b>	96 x 66 x 53.3 mm including connectors, w/o tripod and lens		
<b>Regulations</b>	CE, FCC Class A, RoHS (2011/65/EU)		

[Download the Prosilica GT4905 technical drawing](#)



## Smart features

The Prosilica GT4905 features include:

- Auto exposure
- Auto gain
- Auto white balance
- Flexible binning
- Region of Interest (ROI) readout
- DSP subregion (selectable ROI for auto features)
- StreamBytesPerSecond (easy bandwidth control)
- Stream hold
- Asynchronous external trigger and sync I/O
- Power over Ethernet (PoE)
- Ethernet surge suppression
- Gamma
- Multiple LUT
- Color correction
- Metadata (Chunk data)
- Clock synchronization (IEEE1588)
- Recorder and multiframe acquisition modes
- Camera temperature monitoring

## Applications

The Prosilica GT4905 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