

GX3300



Description

8 Megapixel CCD camera with high frame rate - Dual port GigE

The 8 Megapixel Prosilica GX3300 is a very high resolution CCD camera with Gigabit Ethernet output. The GX3300 has a fast frame rate of 17 fps at 3296 x 2472 resolution. The sensor used in the GX3300 is the high-quality 8 Megapixel CCD Kodak KAI-08050 that provides superior image quality, excellent sensitivity, and low noise. The GX3300 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 GX3300 can also work at half the bandwidth (120 MB/s) using a single cable.

- F-mount
- Single or dual Ethernet port operation
- Thermal management enclosure

• Models:

- GX3300, 3296x2472, 17 fps (dual port) - 14 fps (single port), CCD, mono
- GX3300C, 3296x2472, 17 fps (dual port) - 14 fps (single port), CCD, color

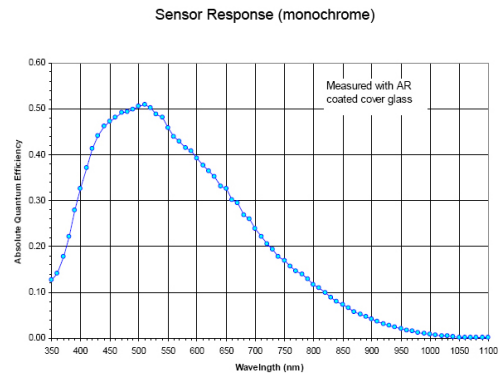
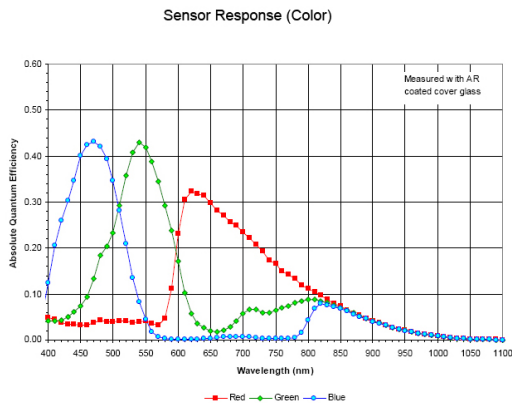
• Modular Options:

- 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

Prosilica GX 3300	
Interface	IEEE 802.3 1000baseT
Resolution	3296 x 2472
Sensor	Kodak KAI-08050
Type	CCD Progressive
Sensor Size	Type 4/3
Cell size	5.5 µm
Lens mount	F
Max frame rate at full resolution	17 fps
A/D	14 bit
On-board FIFO	128 MB
Output	
Bit depth	8/14 (mono) - 8/12 (color) bit
Mono modes	Mono8, Mono12Packed, Mono16
Color modes YUV	YUV411, YUV422, YUV444
Color modes RGB	RGB24, BGR24, RGBA24, BGRA24
Raw modes	Bayer8, Bayer12Packed, Bayer16
General purpose inputs/outputs (GPIOs)	
TTL I/Os	0
Opto-coupled I/Os	2 inputs, 4 outputs
RS-232	1
Power/Mass/Dimensions/Regulations	
Power requirements (DC)	5V - 24V
Power consumption (12 V)	6.1 W (1 port) - 7.2 W (2 ports)
Mass	365 g
Body Dimensions (L x W x H in mm)	136.7 x 59.7 x 59.7 (including connectors, w/o tripod and lens)
Regulations	CE, FCC, Class A, RoHS

[Download Prosilica GX3300 technical drawing \(click here\)](#)



Smart features

The Prosilica GX3300 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

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 8 Megapixel GX3300 is ideal for a wide range of applications including:

- LCD panel inspection
- high-resolution industrial inspection
- 3-D metrology, general machine vision
- public security
- military surveillance
- traffic imaging (Intelligent Traffic Systems)
- embedded systems
- OEM applications