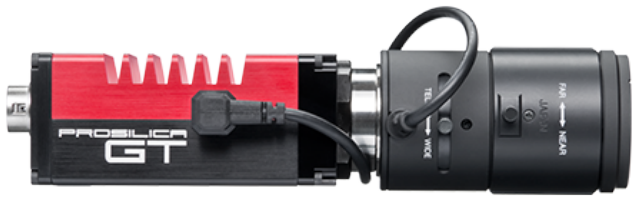
Allied Vision

Prosilica GT

2300



- Versatile temperature range for extreme environments
- PTP
- PoE
- P-Iris and DC-Iris lens control

Description

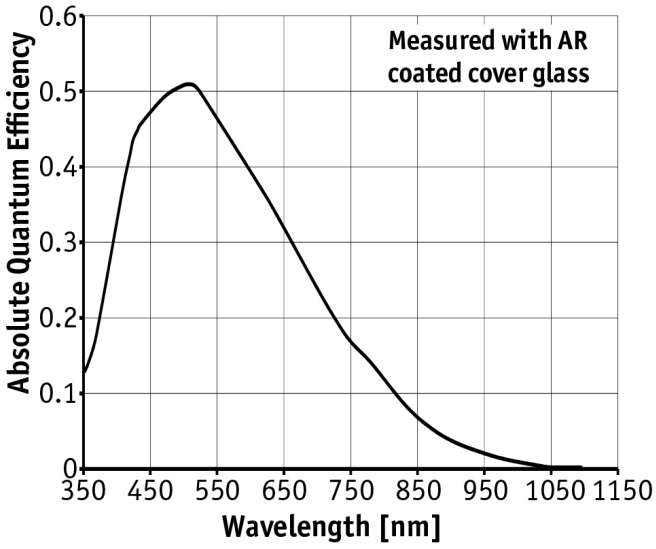
4 Megapixel industrial camera for extreme environments - fast frame rates
Prosilica GT2300 is a 4 Megapixel camera with a Gigabit Ethernet interface (GigE Vision®). GT2300 incorporates a high-quality OnSemi KAI-04050 CCD sensor providing excellent monochrome and color image quality. GT2300 is a rugged 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.
Options:

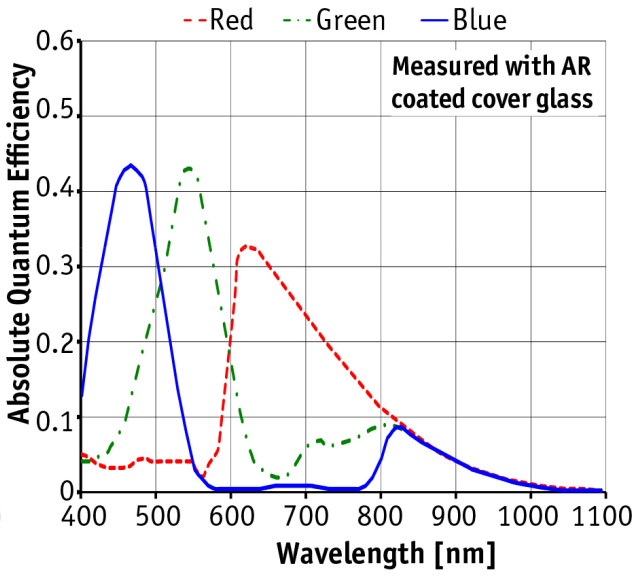
- Various IR cut/pass filters and lens mounts
- Sensor variant: Taped glass and microlens
- Sensor variant: Taped glass and no microlens

Specifications

Prosilica GT	**2300**
Interface	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
Resolution	2336 × 1752
Sensor	OnSemi KAI-04050
Sensor type	CCD Progressive
Sensor size	Type 1
Cell size	5.5 µm
Lens mount	C (adjustable)
Max frame rate at full resolution	29.3 fps
ADC	14 bit
On-board FIFO	128 Mbyte
Output	
Bit depth	14 (mono) - 12 (color) bit

Prosilica GT	2300
Mono modes	Mono8, Mono12, Mono12Packed, Mono14
Color modes YUV	YUV411Packed, YUV422Packed, YUV444Packed
Color modes RGB	RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed
Raw modes	BayerGR8, BayerGR12, BayerGR12Packed
General purpose inputs/outputs (GPIOs)	
TTL I/Os	1 input, 2 outputs
Opto-isolated I/Os	1 input, 2 outputs
RS-232	1
Operating conditions/dimensions	
Operating temperature	-20°C ... +60°C
Power requirements (DC)	PoE, or 7-25 VDC
Power consumption (@12 V)	6.0 W (PoE) / 4.9 W @ 12 VDC
Mass	229 g
Body dimensions (L × W × H in mm)	92 × 53.3 × 33 (including connectors, w/o tripod and lens)
Regulations	CE, FCC Class A, RoHS (2011/65/EU)





Features

Prosilica GT2300 features include:

- Precision Time Protocol (IEEE 1588)

- Camera and sensor temperature monitoring
- Auto iris (P-Iris and DC-Iris)
- ROI, separate ROI for auto features
- Binning
- Auto gain (manual gain control: 0 to 32 dB)
- Auto exposure (manual exposure control: 10 µs to 26.8 s)
- Auto white balance
- Gamma
- Hue, saturation, color correction
- StreamBytesPerSecond (easy bandwidth control)
- Stream hold
- Sync out modes: Trigger ready, input, exposing, readout, imaging, strobe, GPO
- Event channel
- Chunk data
- Storable user sets

Applications

Prosilica GT2300 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