

Prosilica GT

3300



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

Description

8#Megapixel CCD camera for extreme environments - GigE Vision#

Prosilica GT3300 is a 8#Megapixel camera with a Gigabit Ethernet interface (GigE Vision#). GT3300 incorporates a high-quality OnSemi#KAI-08051#CCD sensor providing excellent monochrome and color image quality. GT3300 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.#

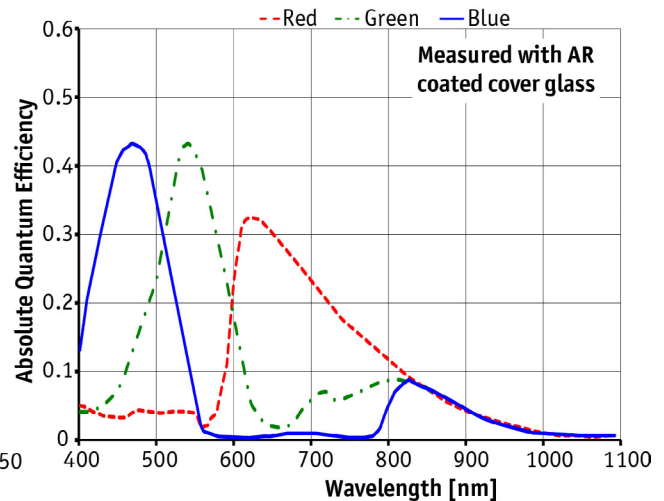
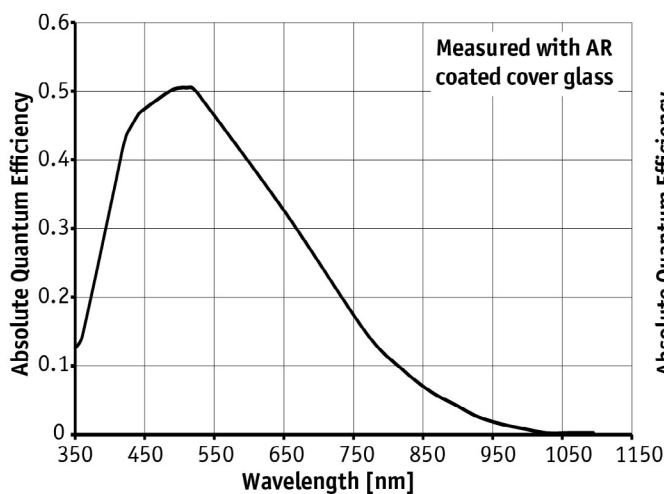
Options:

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

Specifications

Prosilica GT	3300
Interface	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
Resolution	3296 × 2472
Sensor	OnSemi KAI-08051
Sensor type	CCD Progressive
Sensor size	Type 4/3
Cell size	5.5 μm
Lens mount	F-Mount
Max frame rate at full resolution	14.7 fps
ADC	14 bit
On-board FIFO	128
Output	
Bit depth	14 (mono) - 12 (color) bit

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Mono modes	Mono8, Mono12, Mono12Packed, Mono14
Color modes RGB	RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed
Raw modes	BayerGR8, BayerGR12, BayerGR12Packed
General purpose inputs/outputs (GPIOs)	
TTL I/Os	1
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)	5.6 W@ VDC
Mass	314 g
Body dimensions (L × W × H in mm)	121 × 59.7 × 59.7 (including connectors, w/o tripod and lens)
Regulations	CE, FCC Class A, RoHS (2011/65/EU)



Features

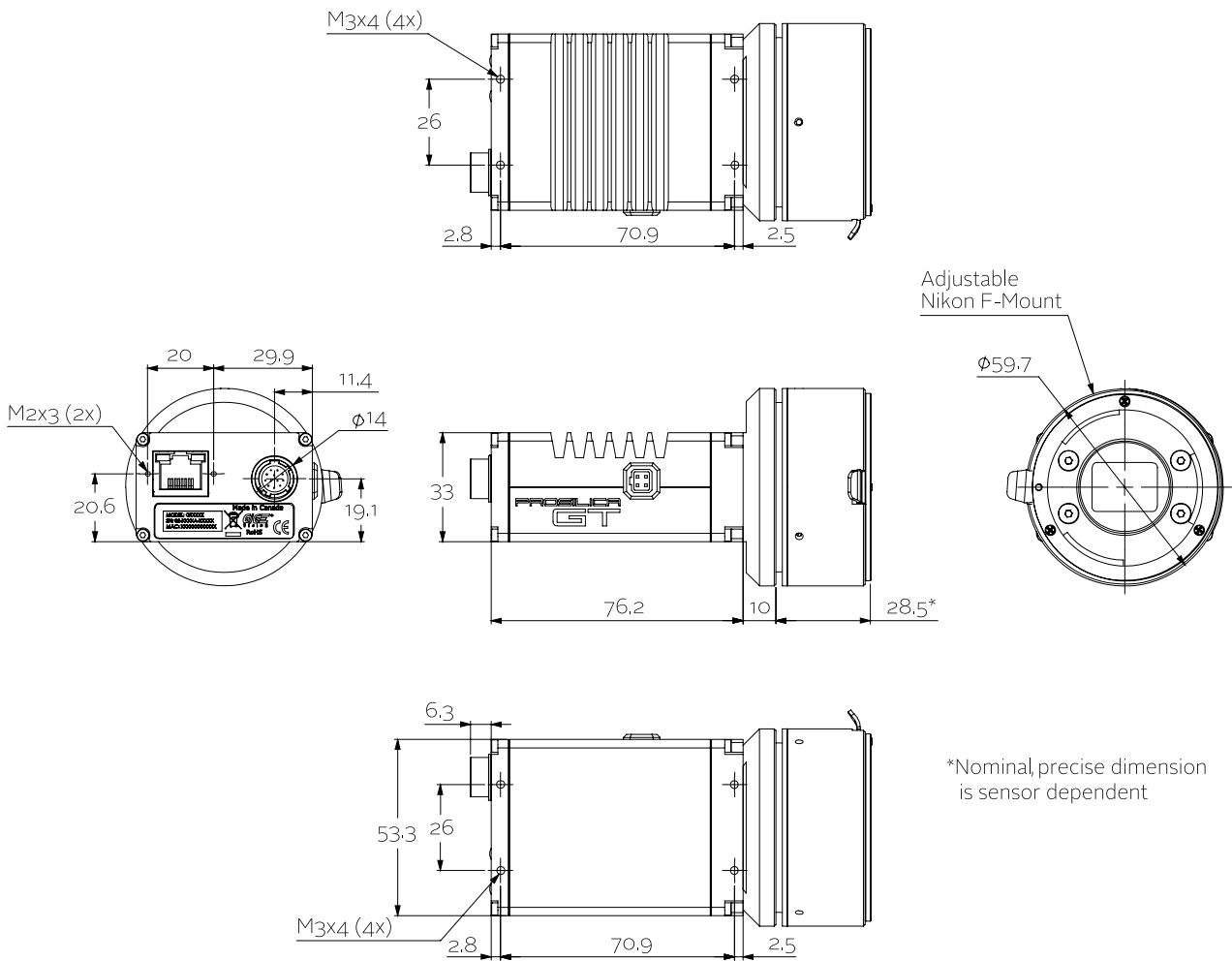
Prosilica GT3300 features include:

- 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 μ s 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

Technical drawing



*Nominal, precise dimension is sensor dependent

Applications

Prosilica GT3300 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