

Prosilica GT

3400



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

Description

9 Megapixel CCD camera for extreme environments - GigE Vision#

Prosilica GT3400 is a 9 Megapixel camera with a Gigabit Ethernet interface (GigE Vision#). GT3400 incorporates Sony ICX814 CCD sensor. GT3400 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.

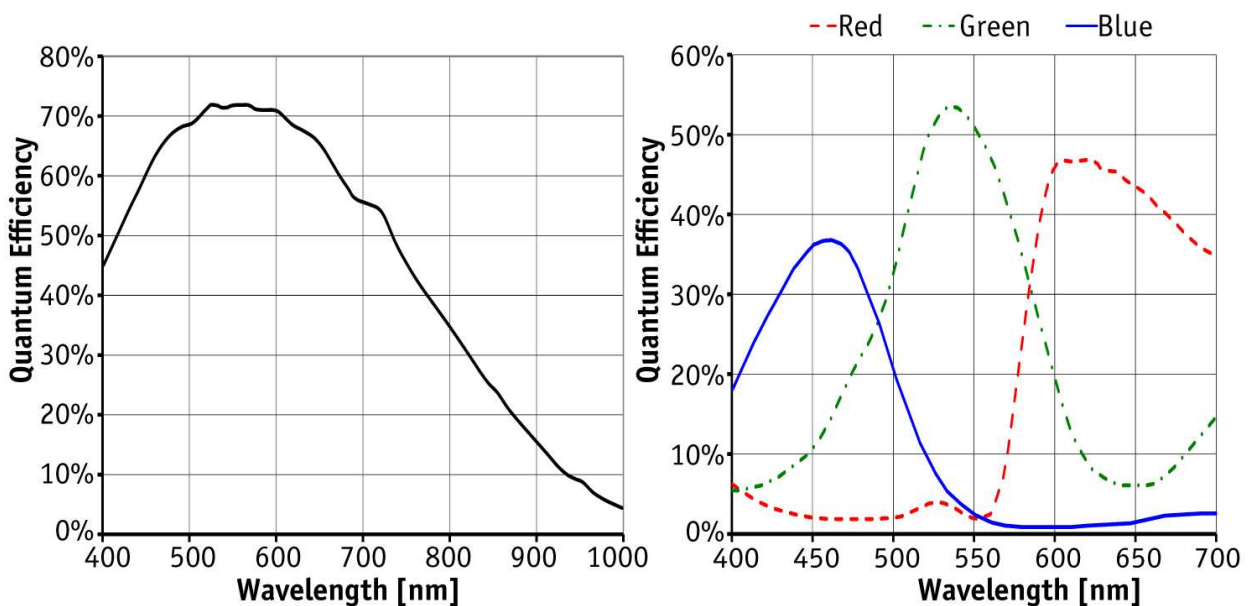
Options:

- Various IR cut/pass filters and lens mounts

Specifications

Prosilica GT	3400
Interface	IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)
Resolution	3384 × 2704
Sensor	Sony ICX814
Sensor type	CCD Progressive
Cell size	3.69 μm
Lens mount	C-Mount
Max frame rate at full resolution	12.7 fps
ADC	14 bit
On-board FIFO	128 Mbyte
	Output
Bit depth	14 (mono) - 12 (color) bit
Mono modes	Mono8, Mono12, Mono12Packed, Mono14
Color modes YUV	YUV411Packed, YUV422Packed, YUV444Packed

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Color modes RGB	RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed
Raw modes	BayerRG8, BayerRG12, BayerRG12Packed
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)	6.6 W (PoE) / 5.4 W @ 12 VDC
Mass	224 g
Body dimensions (L × W × H in mm)	92 × 53.3 × 33 mm including connectors, w/o tripod and lens
Regulations	CE, FCC Class A, RoHS (2011/65/EU)



Features

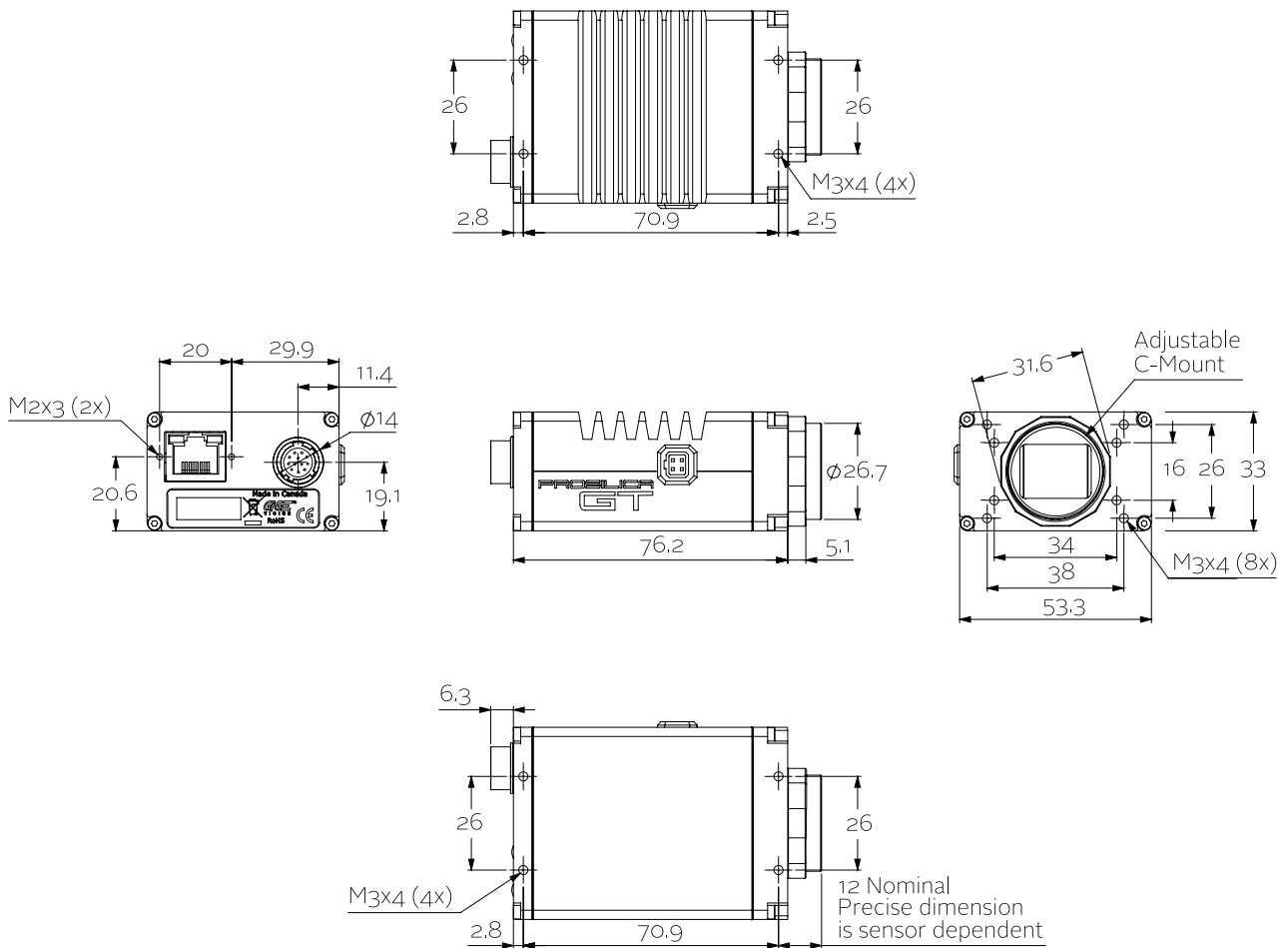
Prosilica GT3400 features include:

- Precision Time Protocol (IEEE 1588)
- Camera temperature monitoring
- Column defect masking



- Auto iris (P-Iris and DC-Iris)
- ROI, separate ROI for auto features
- Binning
- Auto gain (manual gain control: 0 to 31 dB)
- Auto exposure (manual exposure control: 10 μ s to 26.8 s)
- Auto white balance
- LUTs (look-up tables)
- 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



Applications

Prosilica GT3400 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