

# 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.

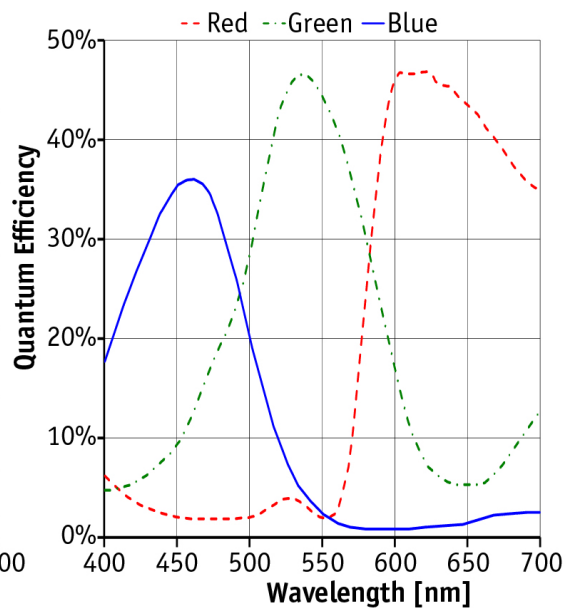
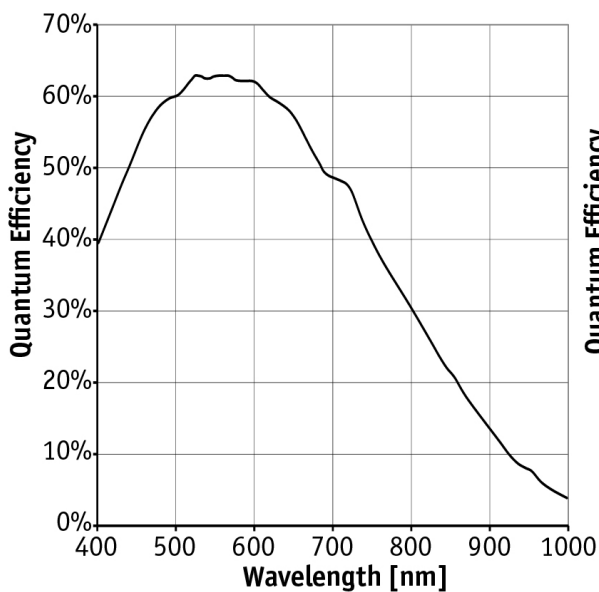
#### Options:

- #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
Sensor size	Type 1
Cell size	3.69 μm
Lens mount	C-Mount (adjustable)
Max frame rate at full resolution	12.7 fps
ADC	14 bit
On-board FIFO	128
<b>Output</b>	
Bit depth	14 (mono) - 12 (color) bit
Mono modes	Mono8, Mono12, Mono12Packed, Mono14

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Color modes RGB	RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed
Raw modes	BayerRG8, BayerRG12, BayerRG12Packed
<b>General purpose inputs/outputs (GPIOs)</b>	
TTL I/Os	1
Opto-isolated I/Os	1 input, 2 outputs
RS-232	1
<b>Operating conditions/dimensions</b>	
Operating temperature	-20°C ... +60°C
Power requirements (DC)	PoE, or 7-25 VDC
Power consumption (@12 V)	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

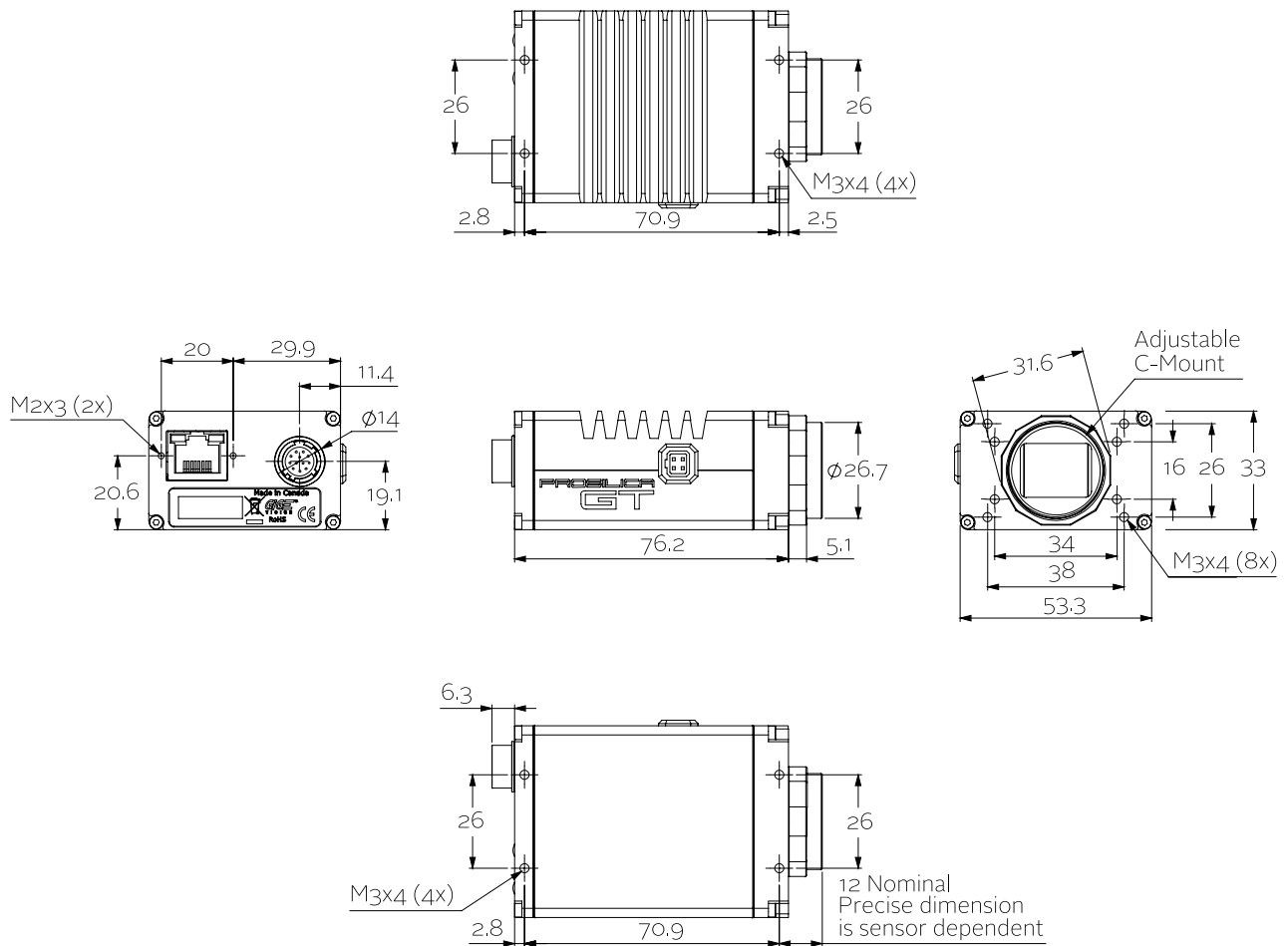
Prosilica GT3400 features include:

- 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  $\mu$ 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

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