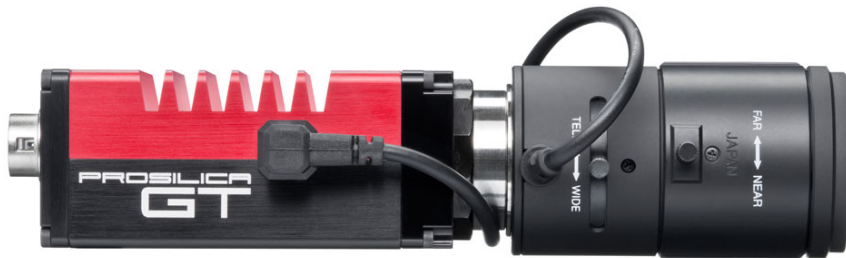# GT2000/2000C

Description

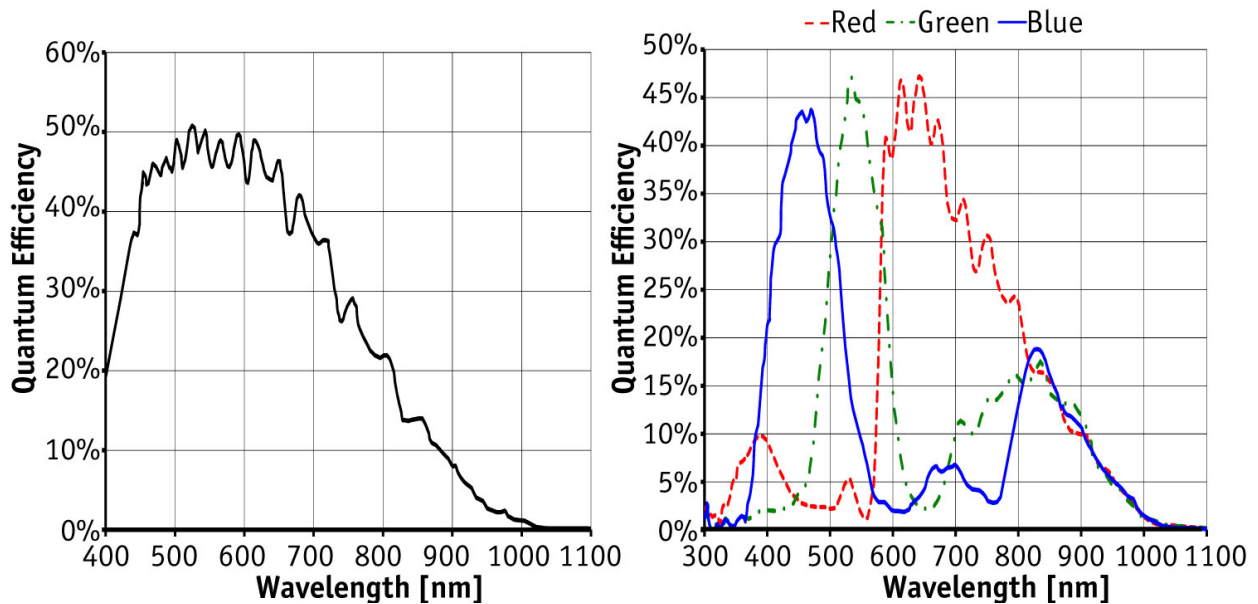**NEW: 2 Megapixel CMOS camera for extreme environments - GigE Vision®**

The Prosilica GT2000 is a 2 Megapixel camera with a Gigabit Ethernet interface (GigE Vision®). The GT2000 is a rugged camera designed to operate in extreme environments and fluctuating lighting conditions. The GT2000 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.

- CMOSIS CMV 2000 sensor
- Auto Iris (P-Iris and DC)
- Power over Ethernet (PoE)
- Ethernet surge suppression
- Gamma, multiple LUT, color correction
- Metadata (Chunk data)
- Clock synchronization (IEEE1588)
- Wide operating temperature range
- Global shutter (digital shutter)

- **Models:**
  - GT2000, 2048 x 1088, 53 fps, CMOS mono
  - GT2000C, 2048 x 1088, 53 fps, CMOS Color

Specifications

Prosilica GT	2000
Interface	IEEE 802.3 1000baseT
Resolution	2048 x 1088
Sensor	CMOSIS CMV2000
Sensor type	CMOS Progressive
Sensor size	Type 2/3
Cell size	5.5 µm
Lens mount	C (adjustable)
Max frame rate at full resolution	53.7 fps
A/D	12 bit
On-board FIFO	128 MB
Output	
Bit depth	8/12 bit
Mono modes	Mono8, Mono12, Mono12Packed
Color modes YUV	YUV411Packed, YUV422Packed, YUV444Packed
Color modes RGB	RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed
Raw modes	BayerGB8, BayerGB12, BayerGB12Packed
General purpose inputs/outputs (GPIOs)	
TTL I/Os	1 input, 2 outputs
Opto-coupled I/Os	1 input, 2 outputs
RS-232	1
Operating conditions/Dimensions	
Operating temperature	-20°C ... +65°C
Power requirements (DC)	PoE, or 7–25 VDC
Power consumption (12 V)	3.4 W @ 12 VDC
Mass	210 g
Body Dimensions (L x W x H in mm)	86 x 53.3 x 33 mm including connectors, w/o tripod and lens
Regulations	CE, FCC Class A, RoHS (2011/65/EU)

Download the Prosilica GT2000 technical drawing

Smart features

The Prosilica GT2000 features include:

- Auto exposure
- Auto gain
- Auto white balance
- Region of Interest (ROI) readout
- DSP subregion (selectable ROI for auto features)
- StreamBytesPerSecond (easy bandwidth control)
- Stream hold
- Asynchronous external trigger and sync I/O
- Auto Iris (P-Iris and DC)
- Power over Ethernet (PoE)
- Ethernet surge suppression
- Gamma
- Multiple LUT
- Color correction
- Metadata (Chunk data)
- Clock synchronization (IEEE1588)
- Recorder and multiframe acquisition modes

White Paper
Remote lens control with Prosilica GT cameras

Applications

The Prosilica GT2000 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