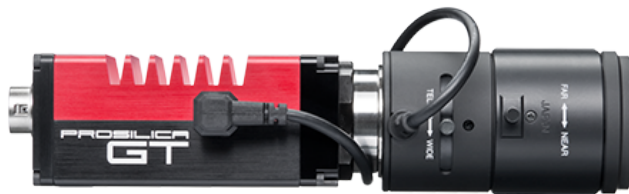


Prosilica GT

2000



- Versatile temperature range for extreme environments
- IEEE 1588 PTP
- PoE
- P-Iris and DC-Iris lens control

Description

2.2 Megapixel CMOS camera for extreme environments - GigE Vision#

Prosilica GT2000/GT2000C is a 2.2 Megapixel camera with a GigE Vision Gigabit Ethernet interface. This camera incorporates the high-quality CMOSIS CMV2000 CMOS sensor. It is a rugged camera designed to operate in extreme environments and fluctuating lighting conditions. This camera 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:

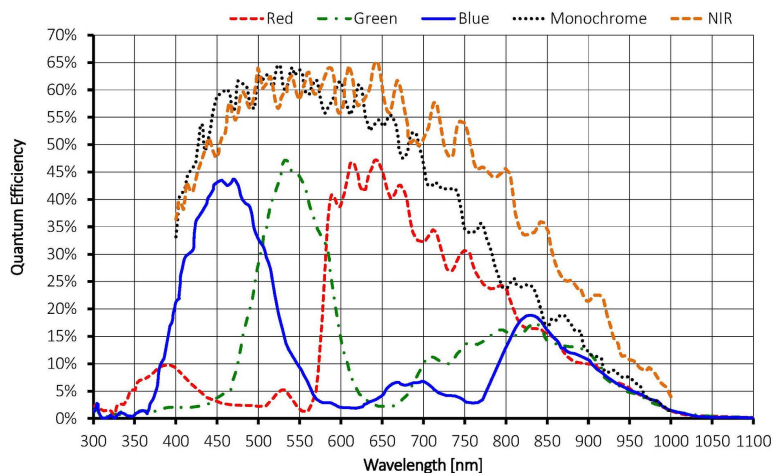
- Various optical filters and lens mounts

See the#[Modular Concept](#)#for lens mount and optical filter options.

Specifications

| Prosilica GT | 2000 |
|-----------------------------------|---|
| Interface | IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE) |
| Resolution | 2048 (H) × 1088 (V) |
| Sensor | CMOSIS CMV2000 |
| Sensor type | CMOS Progressive |
| Cell size | 5.5 µm x 5.5 µm |
| Lens mount | C-Mount |
| Max frame rate at full resolution | 53.7 fps |
| ADC | 12 bit |
| Image buffer (RAM) | 128 MByte |
| Output | |
| Bit depth | 8/12 bit |

| Prosilica GT | 2000 |
|--|--|
| 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-isolated I/Os | 1 input, 2 outputs |
| RS-232 | 1 |
| Operating conditions/dimensions | |
| Operating temperature | -20 °C to +65 °C ambient (without condensation) |
| Power requirements (DC) | 7 to 25 VDC; PoE |
| Power consumption (@12 V) | 3.4 W @ 12 VDC; 4.2 W PoE |
| Mass | 210 g |
| Body dimensions (L × W × H in mm) | 86 × 53.3 × 33 (including connectors) |
| Regulations | CE, RoHS, REACH, WEEE, FCC, ICES |



Features

Image optimization features:

- Auto gain (manual gain control: 0 to 26 dB)
- Auto exposure (manual exposure control: #18 #s to 126.2 s)

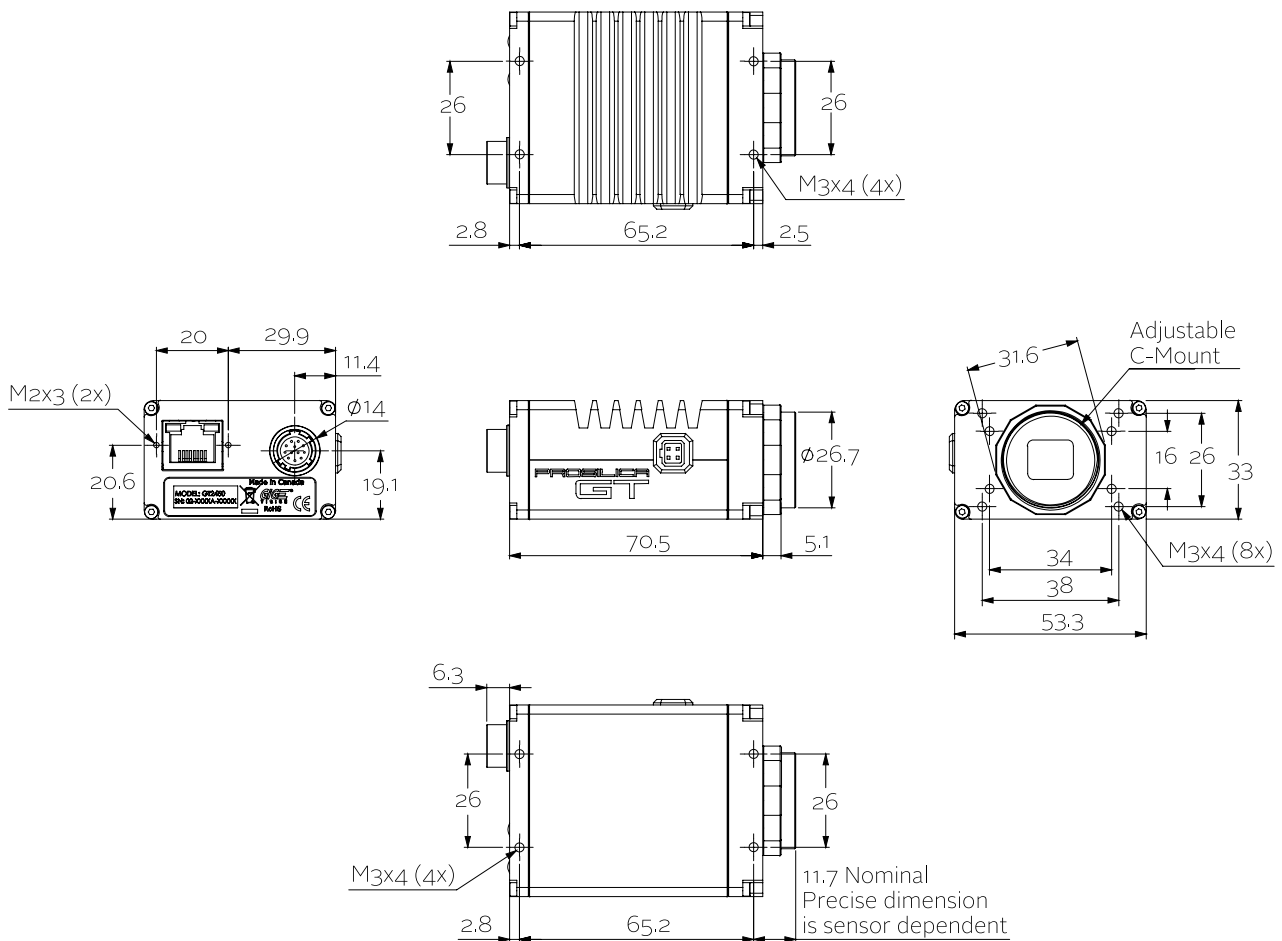


- Auto white balance
- BlackLevel (offset)
- Color correction, hue, saturation
- Gamma
- Look-up tables (LUTs)
- Region of interest (ROI), separate ROI for auto features

Camera control features:

- P-Iris and DC-Iris lens control
- Event channel
- Image chunk data
- IEEE 1588 precision time protocol (PTP)
- RS232
- Storable user sets
- StreamBytesPerSecond (easy bandwidth control)
- StreamHold
- Sync out modes: Trigger ready, input, exposing, readout, imaging, strobe, GPO#
- Temperature monitoring (main board only)

Technical drawing



Applications

Prosilica GT2000/GT2000C is ideal for a wide range of applications including:



- Outdoor imaging
- Traffic imaging / Intelligent Traffic Systems (ITS)
- Public security and surveillance
- Industrial inspection
- Machine vision
- Military and space applications