

Prosilica GX 2750



- 240 MBps with dual interface LAG technology
- 3-axis motorized lens control
- 20 fps at full resolution
- Sony ICX694 sensor

Description

GigE Vision camera, Sony ICX694 CCD sensor, 20 fps

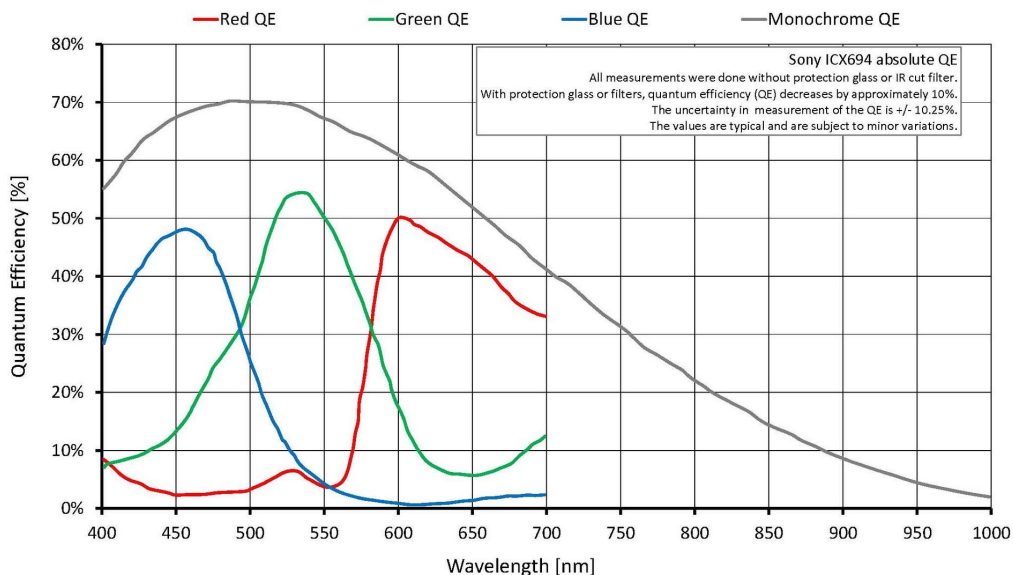
Prosilica GX2750 is a high-resolution CCD camera with two Gigabit Ethernet ports (GigE Vision®). This camera incorporates the Sony ICX694 CCD sensor that provides high sensitivity, near IR response, low noise, anti-blooming, and excellent image quality. Prosilica GX2750 is offered in both monochrome (GX2750) and color (GX2750C) models. This camera has two screw-captivated Gigabit Ethernet ports configured as a Link Aggregation Group (LAG) to provide a sustained maximum data rate of 240 MBps. It can also work at half the bandwidth (120 MBps) using a single cable. At full resolution, this camera has a frame rate of 20 frames per second. With a smaller region of interest higher frame rates are possible. By default monochrome models ship with no optical filter and color models ship with an IRC30 IR cut filter.

Specifications

| | |
|--------------------|----------------------|
| Prosilica GX | 2750 |
| インターフェイス | IEEE 802.3 1000baseT |
| 解像度 | 2750 (H) × 2200 (V) |
| センサー | Sony ICX694 |
| Sensor type | CCD Progressive |
| センサーサイズ | Type 1 |
| ピクセルサイズ | 4.54 μm × 4.54 μm |
| レンズマウント (標準搭載) | C-Mount |
| フレームレート (フル解像度) | 20 fps |
| ADC | 14 bit |
| Image buffer (RAM) | 128 MByte |

Output

| | |
|--|---|
| Prosilica GX | 2750 |
| Bit depth | 14 (monochrome); 12 (color) bit |
| ビデオフォーマット(Mono) | Mono8, Mono12, Mono12Packed, Mono14 |
| ビデオフォーマット(RGB) | RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed |
| ビデオフォーマット(Raw) | BayerRG8, BayerRG12, BayerGR12Packed |
| General purpose inputs/outputs (GPIOs) | |
| Opto-isolated I/Os | 2 inputs, 4 outputs |
| RS232 | 1 |
| Operating conditions/dimensions | |
| Operating temperature | 0 °C to +50 °C ambient (without condensation) |
| Power requirements (DC) | 10 to 24 VDC |
| 消費電力 | 6.1 W at 12 VDC (Single GigE Mode); 7.1 W at 12 VDC (Dual GigE Mode) |
| Mass | 264 g |
| Body dimensions (L × W × H in mm) | 108.1 × 53.3 × 33 (including connectors) |
| Regulations | CE: 2014/30/EU (EMC), 2011/65/EU, including amendment 2015/863/EU (RoHS); FCC Class A; CAN ICES-003 |



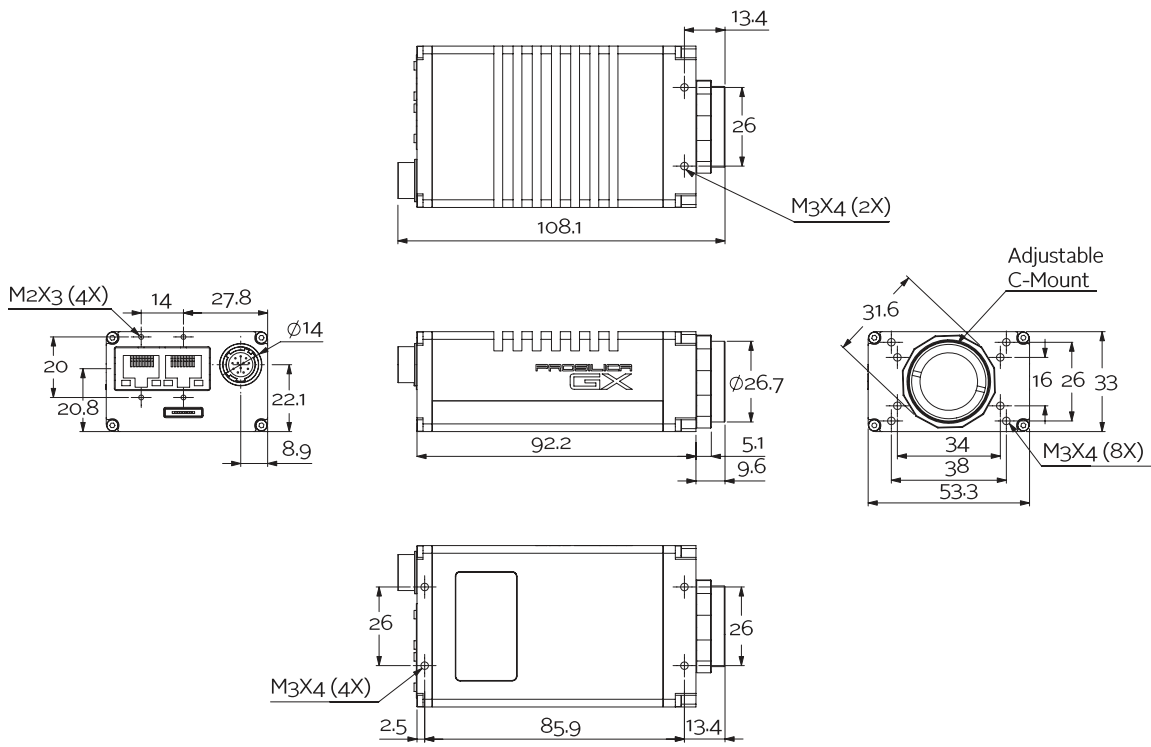
Features

Prosilica GX2750 features include:



- 3-axis motorized lens control
- Video-type auto iris
- Region of interest (ROI), DSP subregion (selectable ROI for auto features)
- Binning (Sum)
- Auto gain (manual gain control: 0 to 33 dB)
- Auto exposure (manual exposure controls: 10 μ s to 26.8 s)
- Auto white balance
- StreamBytesPerSecond (bandwidth control)
- Stream hold
- Sync out modes: Trigger ready, input, exposing, readout, imaging, strobe, GPO
- Global shutter (digital shutter)
- Recorder and Multiframe acquisition modes
- Event channel
- Chunk data
- Storable user sets

Technical drawing





Applications

Prosilica GX2750 is ideal for a wide range of applications including:

- Industrial inspection
- Machine vision
- LCD panel inspection
- Medical imaging
- Ophthalmology
- Aeronautical and aerospace
- Public security
- Surveillance
- Traffic imaging
- OEM applications
- Other machine vision applications