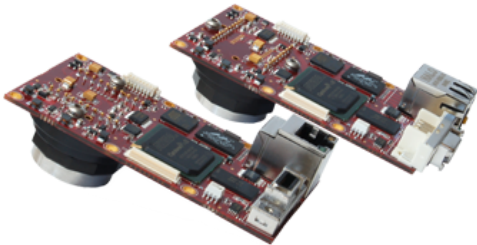


Prosilica GB

1380



- Single board
- 30 fps @ 1.4 Megapixel
- Landscape or portrait sensor orientation
- Video-type auto iris

Description

1.4 Megapixel single-board GigE Vision camera - high sensitivity

Prosilica GB1380 is a very sensitive, high-resolution CCD camera with Gigabit Ethernet interface. GB1380 incorporates the Sony ICX285 CCD sensor with EXview technology providing high-sensitivity, low noise, excellent antiblooming, and superb image quality.

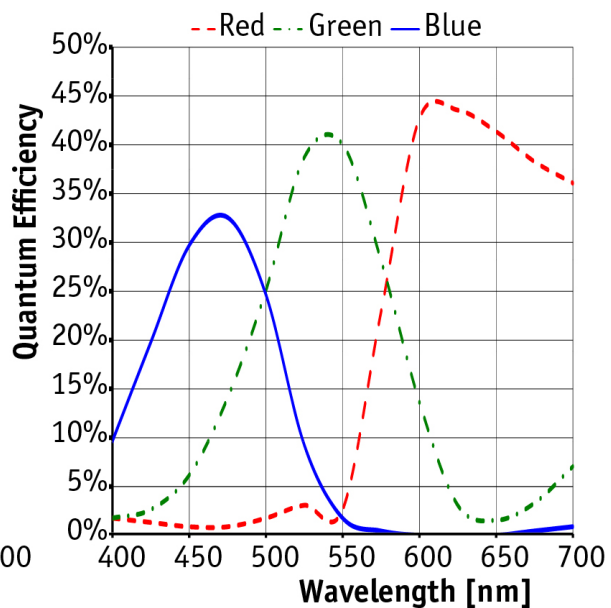
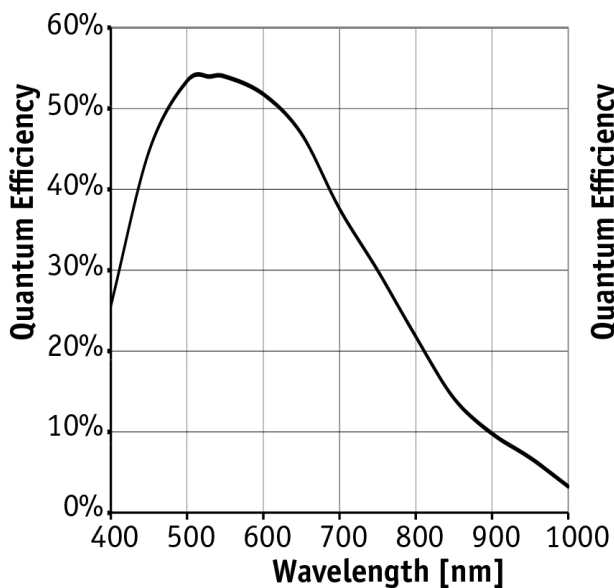
Options

- IR cut filter, CS-Mount
- Portrait or landscape sensor orientation and in-line or vertical connector orientation

Specifications

| Prosilica GB | 1380 |
|-----------------------------------|-----------------------------|
| Interface | IEEE 802.3 1000baseT |
| Resolution | 1360 × 1024 |
| Sensor | Sony ICX285 |
| Sensor type | CCD Progressive |
| Cell size | 6.45 µm |
| Lens mount | C-Mount, CS-Mount |
| Max frame rate at full resolution | 30 fps |
| ADC | 14 bit |
| On-board FIFO | 16 Mbyte |
| Output | |
| Bit depth | 8/12 bit |
| Mono modes | Mono8, Mono12, Mono12Packed |
| Color modes RGB | RGB8Packed, BGR8Packed |

| Prosilica GB | 1380 |
|---|--------------------------------------|
| Raw modes | BayerRG8, BayerRG12, BayerGR12Packed |
| General purpose inputs/outputs (GPIOs) | |
| TTL I/Os | 1 input, 1 output |
| Opto-isolated I/Os | 1 input, 1 output |
| RS-232 | 1 |
| Operating conditions/dimensions | |
| Operating temperature | 0°C ... +70°C |
| Power requirements (DC) | 5-25 VDC* |
| Power consumption (@12 V) | 3.5 W |
| Mass | 59 g |
| Body dimensions (L × W × H in mm) | 51 × 89 mm (board size - W × L) |
| Regulations | CE, FCC Class A, RoHS (2011/65/EU) |



Features

Prosilica GB1380 features include:

- Video-type auto iris
- ROI, DSP subregion (selectable ROI for auto features)
- Binning
- Auto gain (manual gain control: 0 to 30 dB)
- Auto exposure (manual exposure controls: 10 µs to 78.5 s)
- Auto white balance



- StreamBytesPerSecond (easy 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

Applications

Prosilica GB1380 is ideal for a wide range of applications including:

- Industrial inspection
- Machine vision
- Microscopy
- Ophthalmology
- Fluorescence
- Aeronautical and aerospace
- Public security
- Surveillance
- Traffic imaging