

# Prosilica GC 1350



- Sony ICX205 sensor
- 20 fps at full resolution
- Rugged housing
- Video-type auto iris

Compact performance

## Prosilica GC - Ultra-compact GigE Vision camera

Prosilica GC 1350 with Sony ICX205 runs 20.0 frames per second at 1.4 MP resolution.

The Prosilica GC is a GigE camera with an ultra-compact, lightweight housing, fast frame rates, and auto-iris control. It offers a large choice of CCD and CMOS sensors up to 5 Megapixels and fits a wide range of applications.

Easy software integration with [Allied Vision's Vimba Suite](#) and compatibility to the most popular third party image-processing libraries.

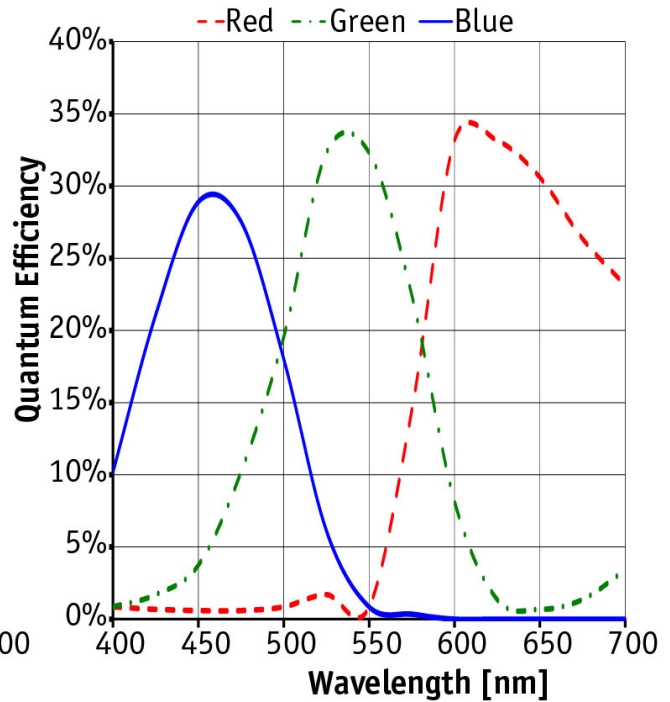
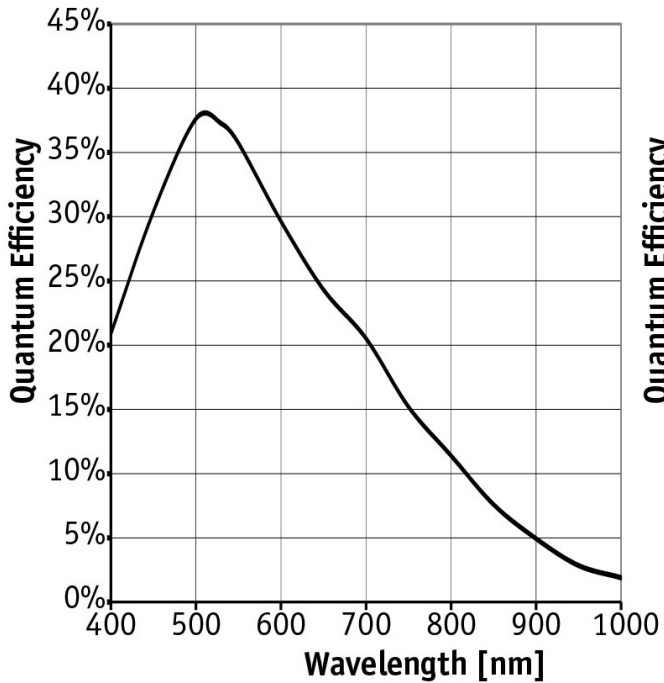
See the [Modular Concept](#) for lens mount, housing variants, optical filters, case design, and other modular options. See the [Customization and OEM Solutions webpage](#) for additional options.

## Specifications

| Prosilica GC 1350                  |                      |
|------------------------------------|----------------------|
| Interface                          | IEEE 802.3 1000baseT |
| Resolution                         | 1360 (H) × 1024 (V)  |
| Sensor                             | Sony ICX205          |
| Sensor type                        | CCD Progressive      |
| Shutter mode                       | Global shutter       |
| Sensor size                        | Type 1/2             |
| Pixel size                         | 4.65 μm × 4.65 μm    |
| Lens mount (default)               | C-Mount              |
| Max. frame rate at full resolution | 20 fps               |

| <b>Prosilica GC 1350</b>                      |   |
|---|---|
| ADC   | 12 Bit  |
| Image buffer (RAM)                            | 16 MByte  |
| <b>Output</b>                                 |   |
| Bit depth                                     | 8/12 Bit  |
| Monochrome pixel formats                      | Mono8, Mono12, Mono12Packed   |
| RGB color pixel formats                       | RGB8Packed, BGR8Packed  |
| Raw pixel formats                             | BayerRG8, BayerRG12, BayerGR12Packed  |
| <b>General purpose inputs/outputs (GPIOs)</b> |   |
| TTL I/Os                                      | 1 input, 1 output   |
| Opto-isolated I/Os                            | 1 input, 1 output   |
| RS232   | 1   |
| <b>Operating conditions/dimensions</b>        |   |
| Operating temperature                         | 0 °C to +50 °C ambient (without condensation)   |
| Power requirements (DC)                       | 5 to 25 VDC   |
| Power consumption                             | 3 W at 12 VDC   |
| Mass  | 100 g   |
| Body dimensions (L × W × H in mm)             | 59 × 46 × 33 (including connectors)   |
| Regulations                                   | CE: 2014/30/EU (EMC), 2011/65/EU, including amendment 2015/863/EU (RoHS); FCC Class A; CAN ICES-003 |

## Quantum efficiency



## Features

### Image optimization features:

- Auto gain (manual gain control: 0 to 25 dB)
- Auto exposure (manual exposure control: 8  $\mu$ s to 116.8 s at 1  $\mu$ s increments)
- Auto white balance
- Binning (horizontal and vertical) (sum)
- Region of interest, DSP subregion (selectable region for auto features)

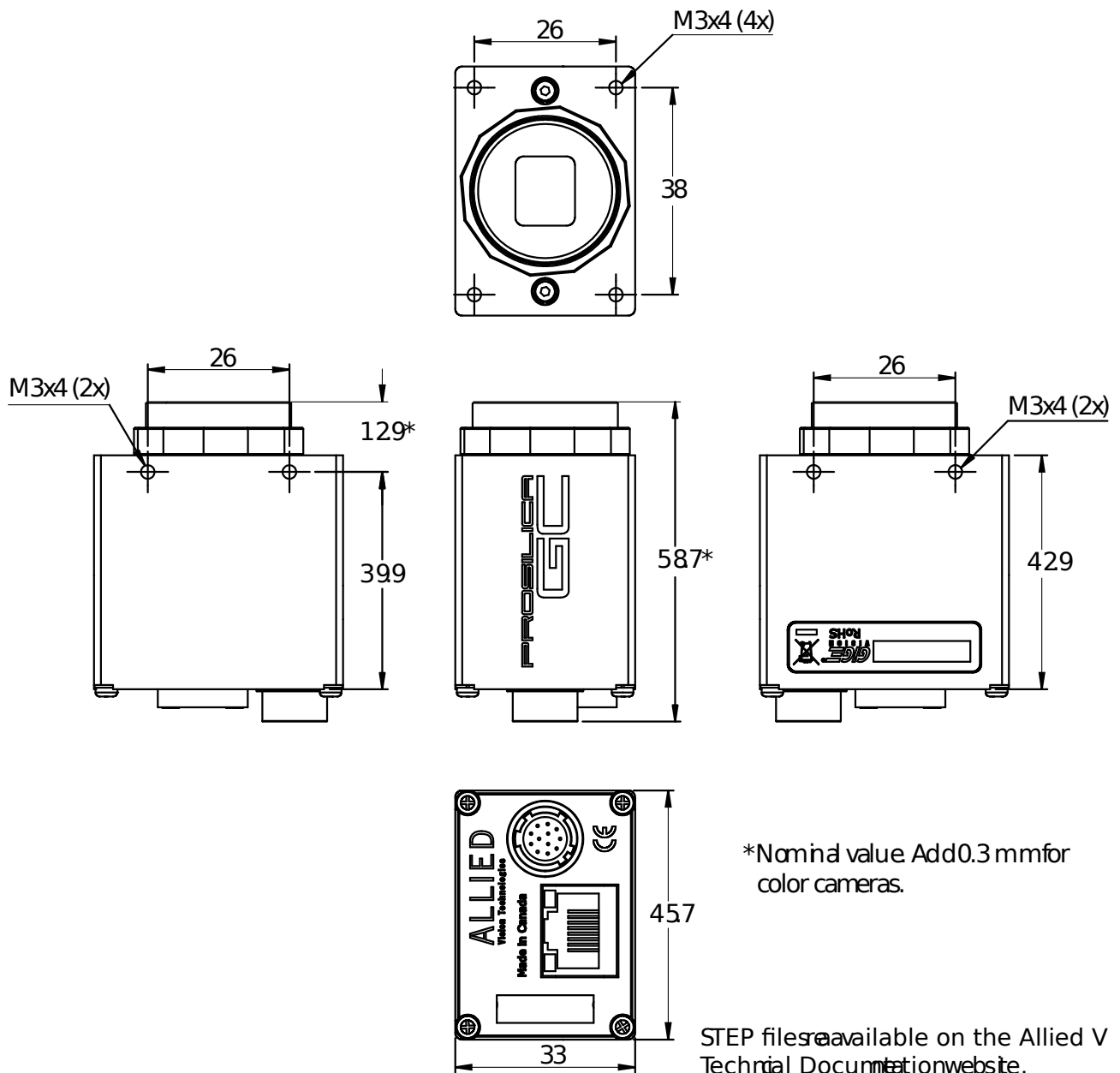
### Camera control features:

- Auto-iris (video type)
- Event channel
- Global shutter (digital shutter)
- IEEE 1588 Precision Time Protocol



- Image chunk data
- Recorder and Multiframe acquisition modes
- RS232
- Five storable user sets
- StreamBytesPerSecond (bandwidth control)
- Stream hold
- Sync out modes: Trigger ready, input, exposing, readout, imaging, strobe, GPO

## Technical drawing



## Applications

Prosilica GC1350 is ideal for a wide range of applications including:

- Industrial inspection
- Machine vision
- Ophthalmology



- Aeronautical and aerospace
- Public security
- Surveillance
- Traffic imaging
- OEM applications