

# Prosilica GC 1600



- Sony ICX274 sensor
- 15 fps @ full resolution
- Rugged housing
- Video-type auto iris

## 基本描述

### Ultra-compact 2 Megapixel CCD camera with GigE Vision

Prosilica GC1600 is a high-resolution 2 Megapixel camera with a GigE Vision compliant Gigabit Ethernet interface. This camera incorporates a high-quality Sony ICX274 CCD sensor with Super HAD technology providing excellent monochrome and color image quality. At full resolution, this camera has a frame rate of 15 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.

#### Options:

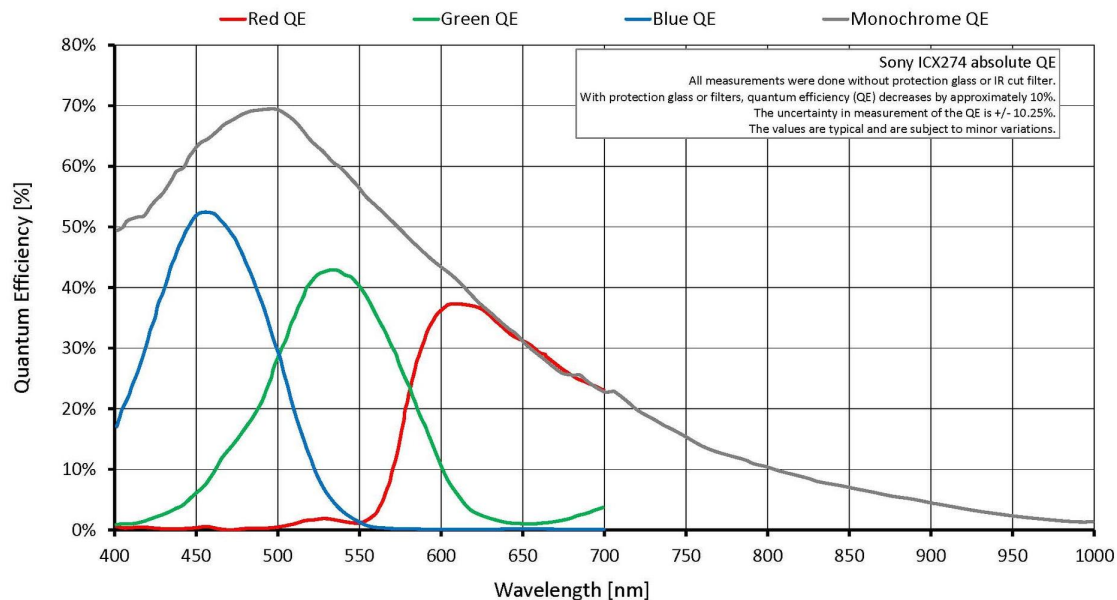
- CS-Mount
- Optical filters (IR cut filter/Protection glass)

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

## 性能参数

Prosilica GC	1600
接口	IEEE 802.3 1000baseT
分辨率	1620 (H) × 1220 (V)
传感器	Sony ICX274
传感器类型	CCD Progressive
传感器尺寸	Type 1/1.8
像元尺寸	4.4 μm × 4.4 μm
标准镜头接口	C-Mount
最大满帧帧率	15 fps

Prosilica GC	1600
ADC	12 bit
缓存 (RAM)	16 MByte
输出	
Bit位数	8/12 bit
黑白像素格式	Mono8, Mono12, Mono12Packed
RGB彩色像素格式	RGB8Packed, BGR8Packed
原始像素格式	BayerRG8, BayerRG12, BayerGR12Packed
通用输入输出(GPIOs)	
TTL I/Os	1 input, 1 output
光耦 I/Os	1 input, 1 output
RS232	1
工作条件/尺寸	
工作温度	0 °C to +50 °C ambient (without condensation)
电源要求 (DC)	5 to 25 VDC
功耗	3.2 W at 12 VDC
重量	97 g
尺寸(L × W × H in mm)	59 × 46 × 33 (including connectors)
符合规范	CE: 2014/30/EU (EMC), 2011/65/EU, including amendment 2015/863/EU (RoHS); FCC Class A; CAN ICES-003





## 特性

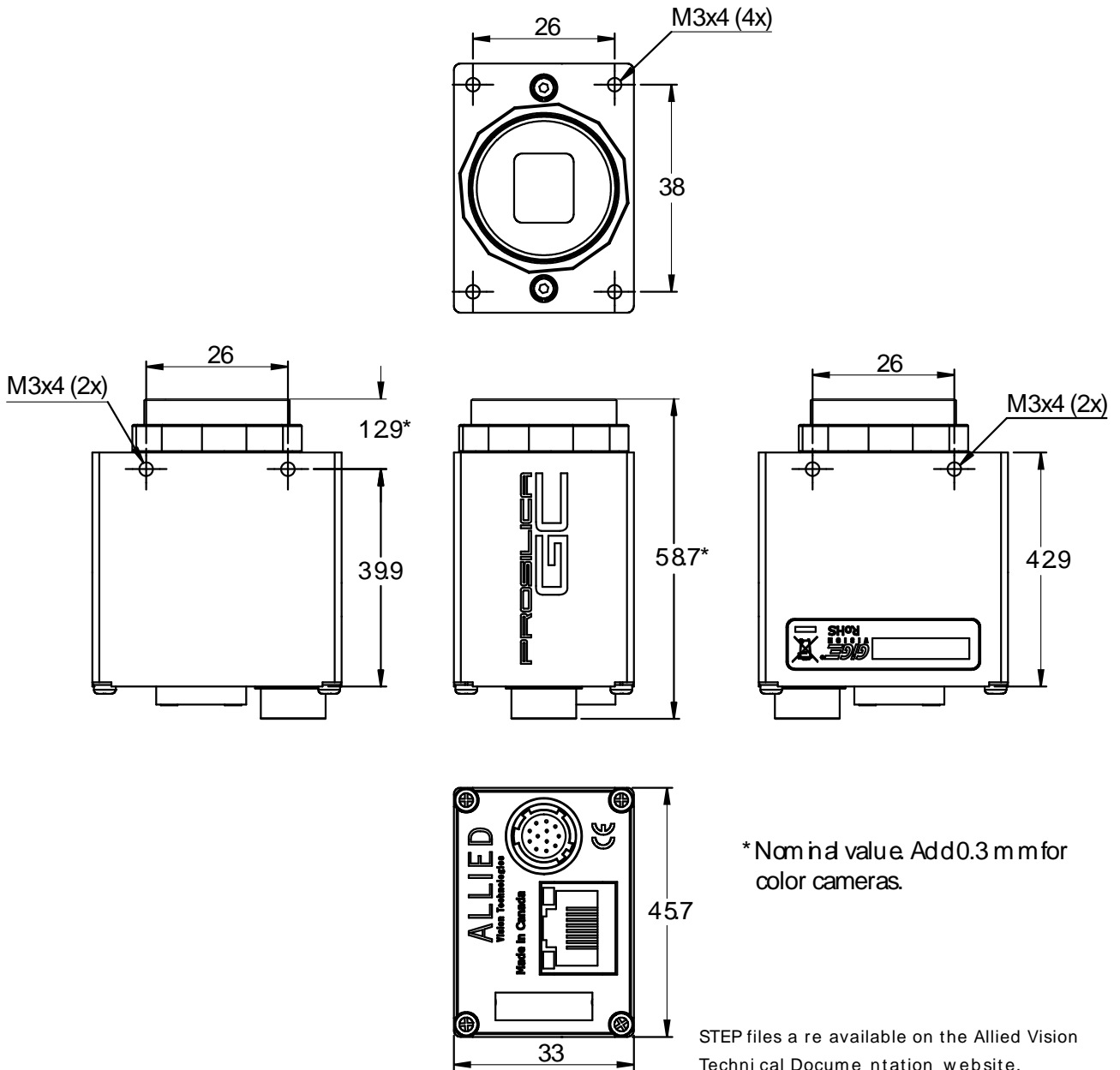
### Image optimization features:

- Auto gain (manual gain control: 0 to 21 dB)
- Auto exposure (manual exposure control: 10  $\mu$ s to 116.8 s @ 1  $\mu$ s increments)
- Auto white balance
- Binning (horizontal and vertical) (sum)
- Region of interest (ROI), DSP subregion (selectable ROI 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

## 外形尺寸





## 应用场景

Prosilica GC1600 is ideal for a wide range of applications including:

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