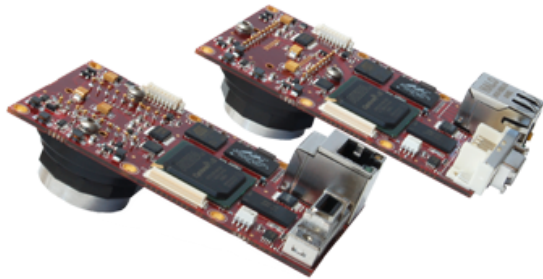


Prosilica GB

2450



- Single board
- 15.1 fps @ full resolution
- Landscape sensor orientation
- Auto-iris (video type)

Landscape or portrait sensor orientation

Single-board OEM cameras with Gigabit Ethernet interface

Prosilica GB 2450 搭载 Sony ICX625 传感器，在 5.0 MP 分辨率下速度可达 15.1 帧/秒。

Prosilica GB Gigabit Ethernet CCD cameras are single-board versions of our popular **GC** GigE Vision cameras. The credit card-sized Prosilica GB are high-performance machine vision cameras with Gigabit Ethernet interface (GigE Vision®).

- Ultra-compact size (2" x 3.5")
- VGA to 5 Megapixel resolution
- Fast frame rates to 120 fps
- Optional vertical connector orientation
- Portrait or landscape sensor orientation

性能参数

接口	IEEE 802.3 1000BASE-T
分辨率	2448 (H) × 2050 (V)
传感器	Sony ICX625
传感器类型	CCD Progressive
快门种类	GS (Global shutter)
传感器尺寸	Type 2/3
像元尺寸	3.45 μm × 3.45 μm
标准镜头接口	C-Mount
最大满帧帧率	15.1 fps
ADC	14 Bit
缓存 (RAM)	16 MByte

输出

Bit 位数	8-bit or 12-bit
黑白像素格式	Mono8, Mono12, Mono12Packed
YUV 彩色像素格式	YUV411Packed, YUV422Packed, YUV444Packed
RGB 彩色像素格式	RGB8Packed, BGR8Packed
Raw 彩色像素格式 (Bayer)	BayerRG8, BayerRG12, BayerGR12Packed

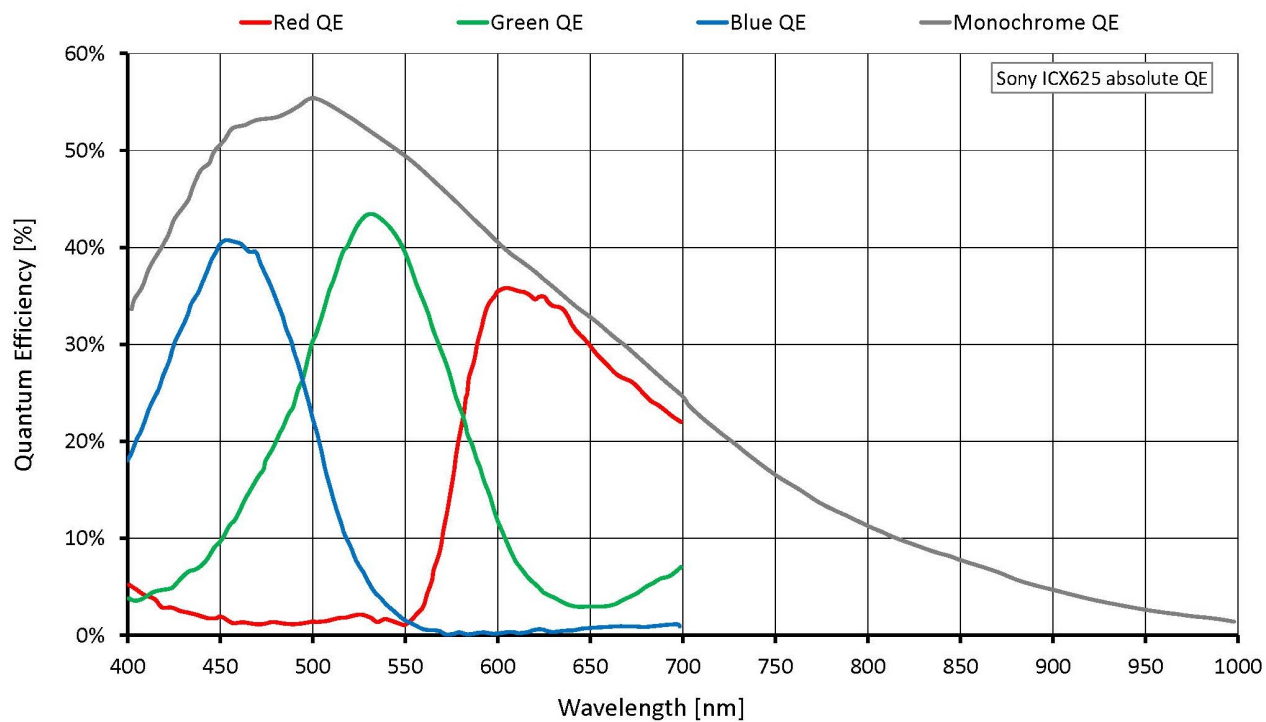
通用输入输出口 (GPIOs)

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 +70 °C ambient (without condensation)
电源要求 (DC)	5 to 25 VDC
功耗	3.8 V at 12 VDC
重量	54 g
尺寸 (L × W × H in mm)	51 × 89 (board-size W × L)

量子转换效率



特性

Image optimization features:

- Auto gain (manual gain control: 0 to 30 dB; 1 dB increments)
- Auto exposure (manual exposure control: 10 μ s to 42.9 s; 1 μ s increments)
- Auto white balance (GB2450C only)
- Binning (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)
- Image chunk data
- Recorder and Multiframe acquisition modes
- RS232
- Storable user sets
- StreamBytesPerSecond (bandwidth control)
- Stream hold
- Sync out modes: Trigger ready, input, exposing, readout, imaging, strobe, GPO

应用场景

Prosilica GB2450 is ideal for a wide range of applications including:

- LCD panel inspection
- High-resolution industrial inspection
- 3D metrologyGeneral machine vision
- Public security
- Surveillance
- Intelligent Traffic Systems (ITS)
- Embedded systems
- OEM applications