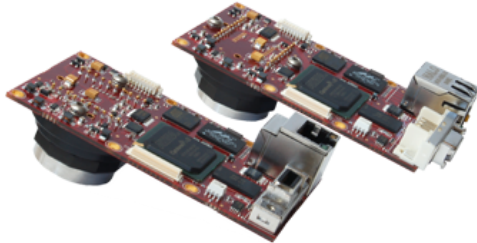


Prosilica GB 650



- Single board
- High frame rate
- Landscape or portrait sensor orientation
- Auto-iris (video type)

基本描述

Single-board CCD camera, VGA resolution, 121.6 frames per second

Prosilica GB650 is a fast, VGA resolution, high-performance single-board machine vision camera with GigE Vision Gigabit Ethernet interface. This camera incorporates the high quality Type 1/3 (6.0 mm diagonal) Sony ICX424 CCD sensor with EXview HAD technology. At full resolution, this camera runs 12.6 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.

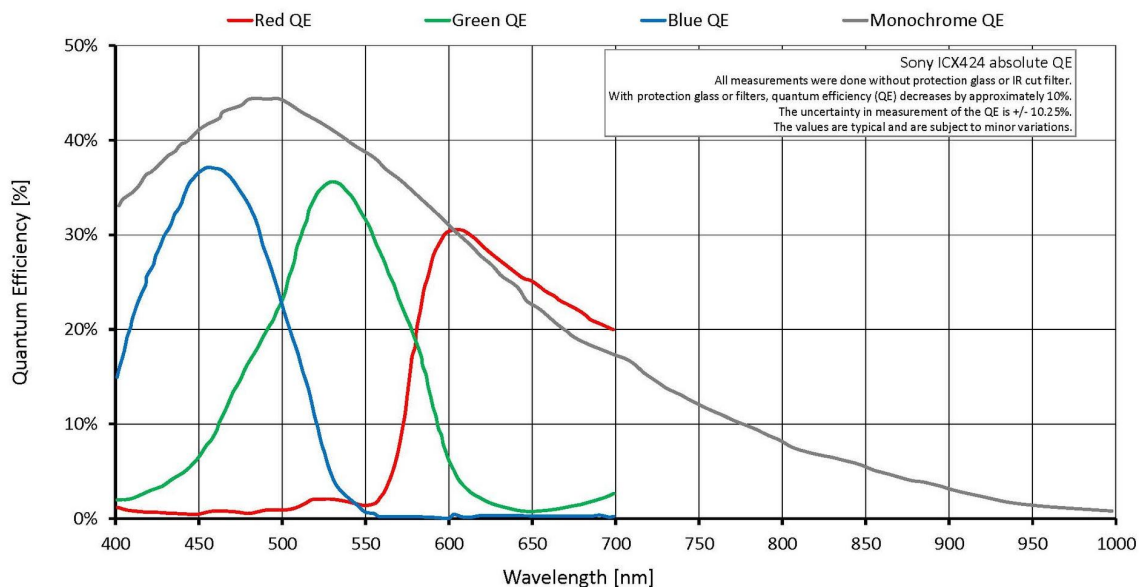
Options:

- Portrait or landscape sensor orientation
- Inline or vertical connector orientation

性能参数

Prosilica GB	650
接口	IEEE 802.3 1000baseT
分辨率	659 (H) × 493 (V)
传感器	Sony ICX424
传感器类型	CCD Progressive
传感器尺寸	Type 1/3
像元尺寸	7.4 μm × 7.4 μm
标准镜头接口	C-Mount
最大满帧帧率	121.6 fps
ADC	14 bit

Prosilica GB	650
缓存 (RAM)	16 MByte
输出	
Bit位数	8/12 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
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 +70 °C ambient (without condensation)
电源要求 (DC)	5 to 25 VDC
功耗	3 W at 12 VDC
重量	59 g
尺寸(L × W × H in mm)	51 × 89 (board size - W × L)
符合规范	2011/65/EU, including amendment 2015/863/EU (RoHS)





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 78.5 s; 1 μ s increments)
- Auto white balance (GB650C only)
- 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)
- 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 GB650 is ideal for a wide range of applications including:

- Machine vision
- Industrial inspection
- Public security
- Traffic monitoring
- Robotics