



# Prosilica GT

## Prosilica GT 1930

Prosilica GT1930 is a 2.35 megapixel camera with a GigE Vision compliant Gigabit Ethernet port and Hirose I/O port. Prosilica GT1930 is offered in both monochrome and color models. This camera incorporates the high quality Sony IMX174 Exmor CMOS sensor with Pregius global shutter technology.

### General

Model: Prosilica GT 1930

Product series: Prosilica GT

Status: Available

### Sensor

Sensor type: Area scan

Chroma: Mono or Color

Spectrum: Visible

Resolution: 1,936 × 1,216 (2.40 MP)

Sensor model: Sony IMX174

Sensor architecture (material): CMOS

Shutter type(s): Global Shutter

Sensor size: 13.40 mm diagonal (Type 1/1.2)

Pixel size: 5.86 µm × 5.86 µm

### Pixel formats

Sensor bit depth: 12-bit

Monochrome pixel formats: Mono8, Mono12Packed, Mono12

YUV pixel formats: YUV411Packed, YUV422Packed, YUV444Packed

RGB pixel formats: RGB8Packed, BGR8Packed

Bayer pixel formats: BayerRG8, BayerRG12, BayerRG12Packed

Output color space: 12-bit

### Imaging performance

Quantum efficiency @ 529 nm: 70 %

## Timing and gain

Max. frame rate: 50 fps

## I/Os and power

Non-isolated lines: 1 input, 2 outputs

Specific non-isolated lines: 1

Opto-isolated lines: 1 input, 2 outputs

Power supply: 7 to 25 VDC AUX or 802.3at Type 1 PoE

Power consumption: 2.9 W at 12 VDC; 3.5 W PoE

## Operating conditions

Operating temperature (housing): -20 °C to 65 °C ambient (without condensation)

## Mechanical properties

Body dimensions (L x W x H in mm): 86 x 53 x 33

Weight: 211 g

## On-board memory and FPGA

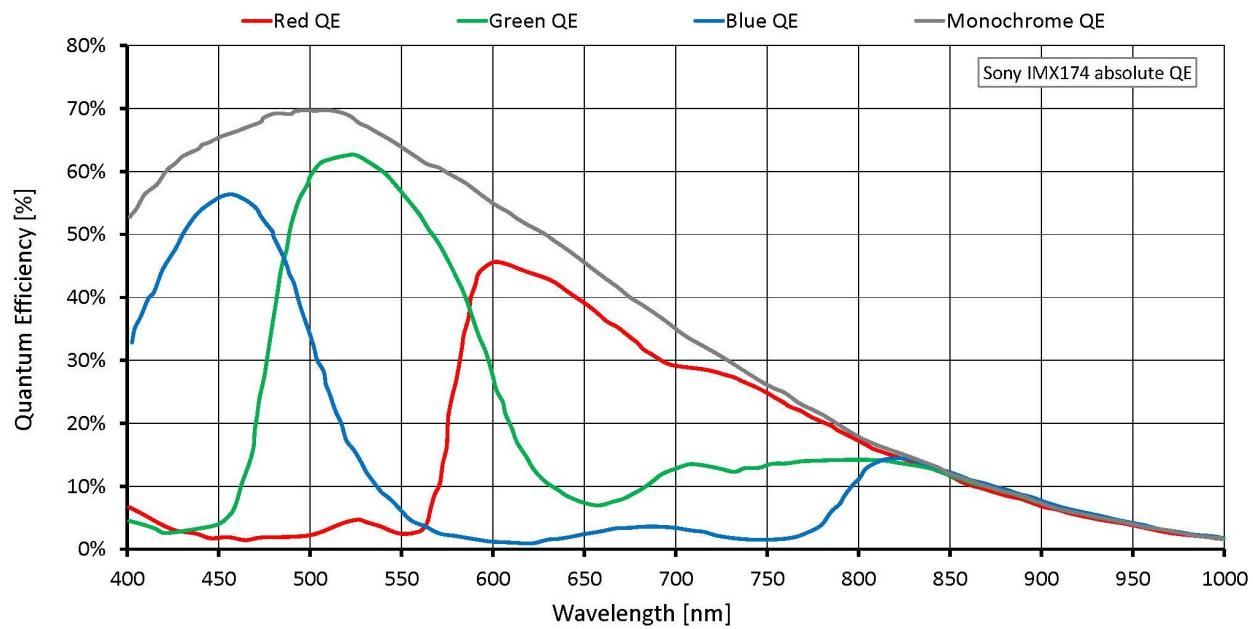
Image buffer (RAM): 128 MByte

Non-volatile memory (Flash): 1024 KByte

## Interfaces

Digital interface: IEEE 802.3 1000BASE-T, IEEE 802.3af (PoE)

# Quantum Efficiency



# Technical Drawing

