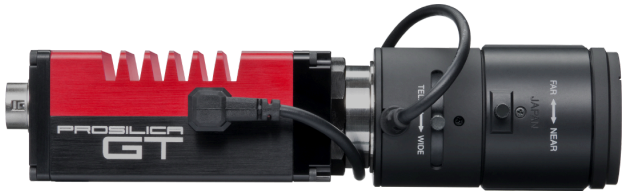
Allied Vision



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	Color, Mono
Spectrum	Visible
Resolution	1,936 × 1,216 (2.40 MP)
Sensor model	Sony IMX174
Sensor architecture (material)	cmos-ingaas
Shutter type(s)	Global shutter (GS)
Sensor size	11.34 × 7.13 mm (13.4 mm, Type 1/1.2)
Pixel size	5.86 µm × 5.86 µm

Pixel formats

Sensor bit depth	12-bit
YUV pixel formats	YUV411Packed, YUV422Packed, YUV444Packed
RGB pixel formats	BGR8Packed, RGB8Packed
Bayer pixel formats	BayerRG12

Imaging performance

Quantum efficiency @ 529 nm	70 %

Timing and gain

Max. frame rate	50 fps
Exposure time	28 µs to 85 s

Timing and gain

Gain	0.0 dB to 40.0 dB

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 × 53 × 33
Weight	211 g

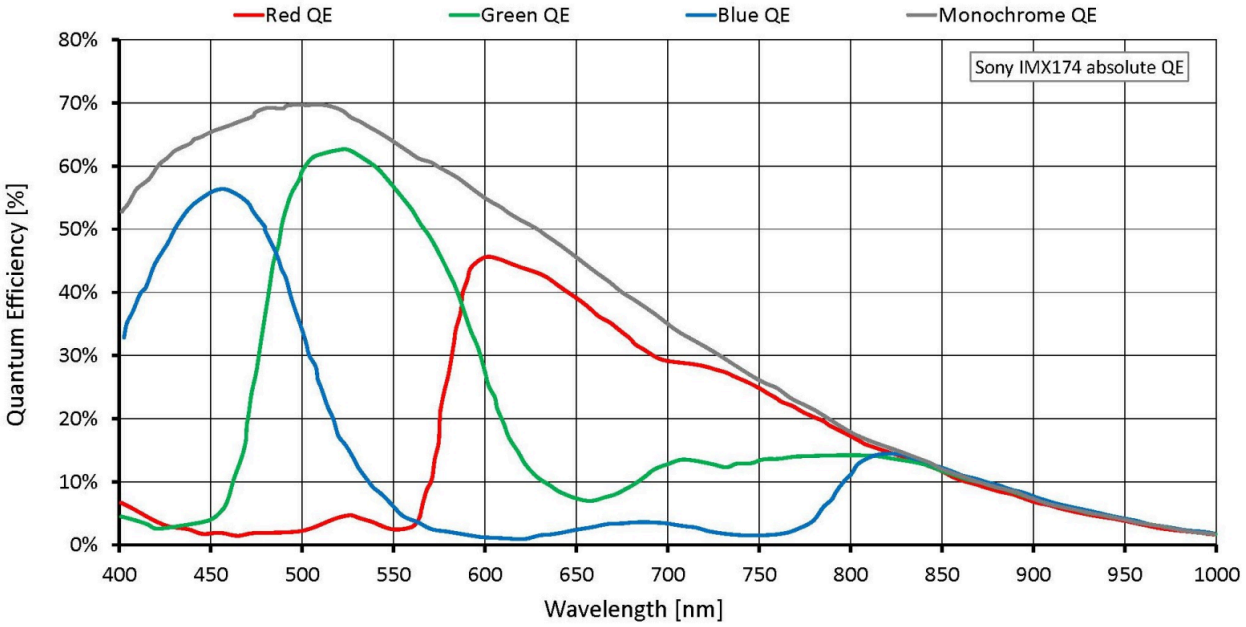
On-board memory and FPGA

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



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Technical Drawing

