



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:	13.4 mm ø (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

Imaging performance

Quantum efficiency @ 529 nm:	70 %
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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 × 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



