



Prosilica GT

Prosilica GT 2050

Prosilica GT2050 is a 4.2 megapixel camera with a GigE Vision compliant Gigabit Ethernet port and Hirose I/O port. Prosilica GT2050 is offered in both monochrome and color models. This camera incorporates the high quality CMOSIS/ams CMV4000 sensor.

General

Model:	Prosilica GT 2050
Product series:	Prosilica GT
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono or Color
Spectrum:	Visible
Resolution:	2,048 × 2,048 (4.20 MP)
Sensor model:	CMOSIS/ams CMV4000
Sensor architecture (material):	CMOS
Shutter type(s):	Global Shutter
Sensor size:	16.30 mm ø (Type 1)
Pixel size:	5.50 µm × 5.50 µm

Pixel formats

Sensor bit depth:	8-bit or 12-bit
Monochrome pixel formats:	Mono8, Mono12, Mono12Packed
YUV pixel formats:	YUV411Packed, YUV422Packed, YUV444Packed
RGB pixel formats:	RGB8Packed, BGR8Packed, RGBA8Packed, BGRA8Packed
Bayer pixel formats:	BayerGB8, BayerGB12, BayerGB12Packed

Imaging performance

Quantum efficiency @ 529 nm:	79 %
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Timing and gain

Max. frame rate: 28

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: 3.5 W at 12 VDC; 4.3 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: 210 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



