



Prosilica GT

Prosilica GT 6400

Prosilica GT6400 is a large format camera equipped with a GigE Vision compliant Gigabit Ethernet port and Hirose I/O port. This camera incorporates the second generation Sony IMX342 Exmor CMOS sensor with Pregius global shutter technology. This sensor offers high quantum efficiency, high dynamic range ...

General

Model:	Prosilica GT 6400
Product series:	Prosilica GT
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono or Color
Spectrum:	Visible
Resolution:	6,480 × 4,852 (31.40 MP)
Sensor model:	Sony IMX342
Sensor architecture (material):	CMOS
Shutter type(s):	Global Shutter
Sensor size:	28.4 mm ø (Type APS-C)
Pixel size:	3.45 µm × 3.45 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:	64 %
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Timing and gain

Max. frame rate: 3 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 IEEE 802.3at Type 1 PoE

Power consumption: External power: 5.4 W at 12 VDC | Power over Ethernet: 6.7 W

Operating conditions

Operating temperature (housing): -20 °C to 50 °C housing (without condensation)

Mechanical properties

Body dimensions (L x W x H in mm): 96 × 66 × 53

Weight: 372 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



