



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

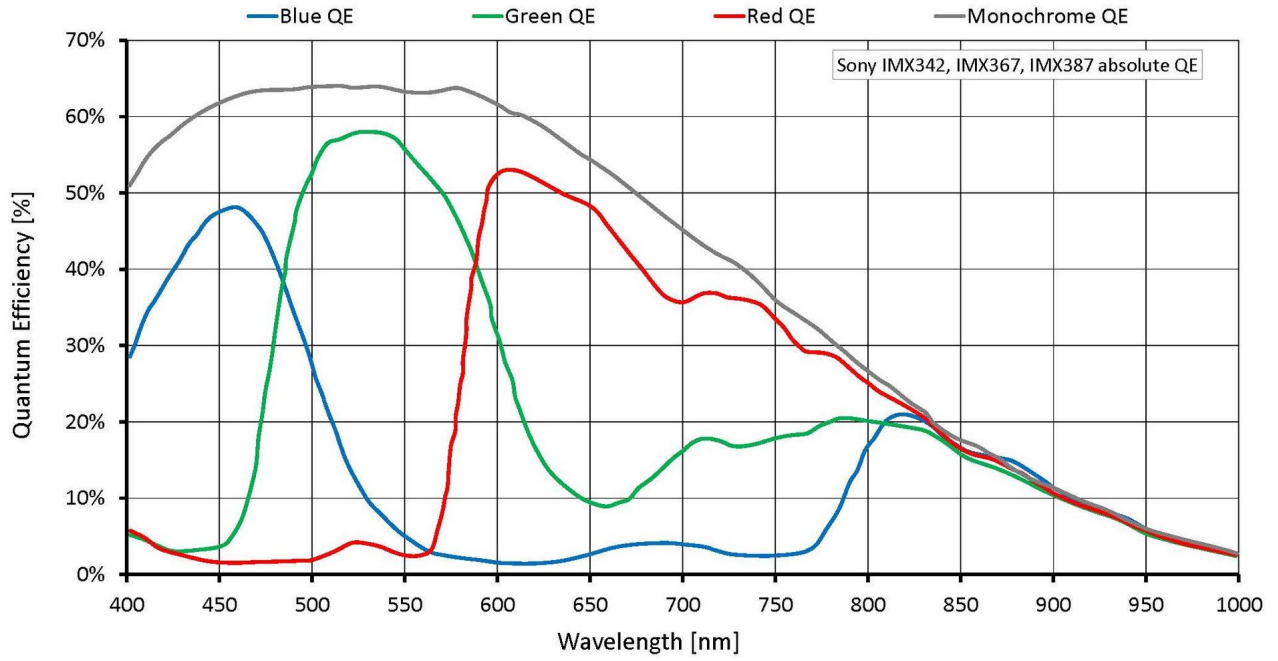
Image buffer (RAM) 128 MByte

Non-volatile memory (Flash) 1024 KByte

Interfaces

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

Quantum Efficiency



Technical Drawing

