Prosilica GT
Prosilica GT 5400

Prosilica GT5400 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 IMX387 Exmor CMOS sensor with Pregius global shutter technology.

General

Model:	Prosilica GT 5400
Product series:	Prosilica GT
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono or Color
Spectrum:	Visible
Resolution:	5,472 × 3,084 (16.90 MP)
Sensor model:	Sony IMX387
Sensor architecture (material):	CMOS
Shutter type(s):	Global Shutter
Sensor size:	22.66 mm ø (Type 4/3)
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 %

Timing and gain

Max. frame rate:	7 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: 5.2 W at 12 VDC | Power over Ethernet: 6.4 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)

Sony IMX342, IMX367, IMX387 absolute QE

1/4-20 Tripod Mount - 2 Sides

M3-0.5 ▽ 3 (4x) - 2 Sides

27.9

28
26

40

2.5
48.3
2.5

12.7
11.4

2.5
48.3
2.5

M3-0.5 ▽ 3 (4x) - 2 Sides

53.3
26

26

20

13.5

53.3

M2-0.4 ▽ 3 (2x)

66

53.3

Ø 59.7

6.3

66
28

Ø 6 ▽ 6 (2x) - 2 Sides

27.9