Prosilica GT
Prosilica GT 2000

Prosilica GT2000 is a 2.2 megapixel camera with a GigE Vision compliant Gigabit Ethernet port and Hirose I/O port. Prosilica GT2000 is offered in both monochrome and color models. This camera incorporates the high-quality CMOSIS/ams CMV2000 CMOS sensor.

General

Model:	Prosilica GT 2000
Product series:	Prosilica GT
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono or Color
Spectrum:	Visible
Resolution:	2,048 × 1,088 (2.20 MP)
Sensor model:	CMOSIS/ams CMV2000
Shutter type(s):	Global Shutter
Sensor size:	12.75 mm ø (Type 2/3)
Pixel size:	5.50 µm × 5.50 µm

Pixel formats

YUV pixel formats:	YUV411Packed, YUV422Packed, YUV444Packed
RGB pixel formats:	BGR8Packed, BGRA8Packed, RGB8Packed, RGBA8Packed
Bayer pixel formats:	BayerGB12, BayerGB12Packed, BayerGB8

Imaging performance

Quantum efficiency @ 529 nm:	75 %

Timing and gain

Max. frame rate:	53

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:	3.4 W at 12 VDC; 4.2 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

26

26

M3x4 (4x)

2.8   65.2   2.5

M2x3 (2x)

20   29.9

11.4

Ø14

20.6

19.1

MODEL: GT2450
S/n: 02-XXXXX-XXXXX
Made In Canada

PROSILICA
GT

Ø26.7

70.5   5.1

31.6

Adjustable
C-Mount

16 26 33

34

38

53.3

M3x4 (8x)

6.3

26   26

M3x4 (4x)

11.7 Nominal
Precise dimension
is sensor dependent

2.8   65.2