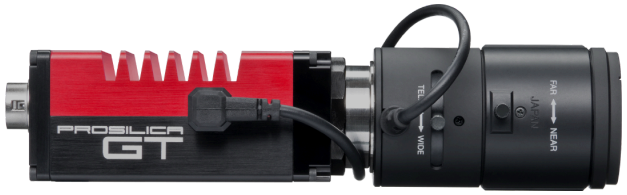
Allied Vision



Prosilica GT

Prosilica GT 2000NIR

Prosilica GT2000NIR is a 2.2 megapixel camera with a GigE Vision compliant Gigabit Ethernet port and Hirose I/O port. This camera incorporates a NIR-optimized variant of the high-quality CMOSIS/ams CMV2000 CMOS sensor. At 900 nm this sensor offers double the quantum efficiency, an increase from 8% to 16% absolute.

General

Model	Prosilica GT 2000NIR
Product series	Prosilica GT
Status	Available

Sensor

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

Pixel formats

Sensor bit depth	8-bit or 12-bit
Monochrome pixel formats	Mono8, Mono12, Mono12Packed

Imaging performance

Quantum efficiency @ 529 nm	80 %
Quantum efficiency @ 850 nm	44 %

Timing and gain

Max. frame rate	53 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 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

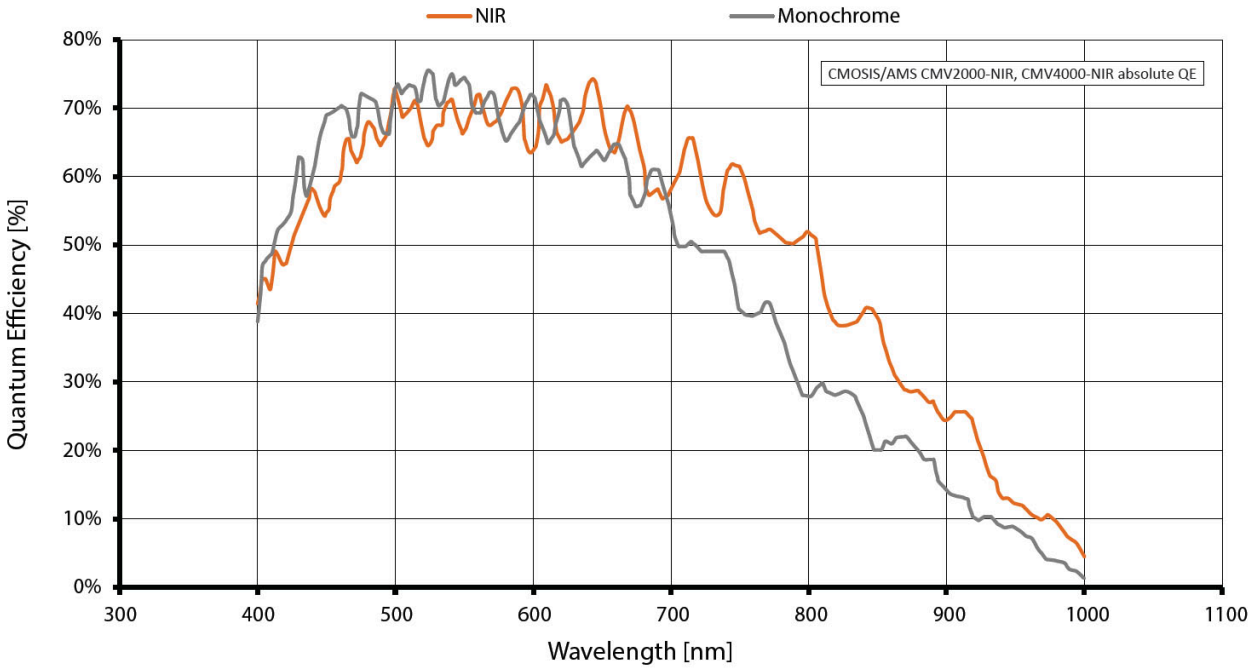
On-board memory and FPGA

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



Technical Drawing