

Die Mako G-419B NIR ist eine GigE Industriekamera, die mit einem hochwertigen CMOSIS/ams CMV4000 Sensor der Größe Typ 1 (16,0 mm Diagonale) ausgestattet ist. Sie kann bis zu 26,3 Bilder bei voller Auflösung liefern, höhere Bildraten sind mit kleinerer ROI (Region of Interest) möglich.

General

Model:	Mako G-419 NIR
Product series:	Mako
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono
Spectrum:	Visible-NIR
Resolution:	2,048 × 2,048 (4.20 MP)
Sensor model:	CMOSIS/ams CMV4000 NIR
Sensor architecture (material):	CMOS
Shutter type(s):	Global Shutter
Sensor size:	16.3 mm \varnothing (Type 1)
Pixel size:	5.50 μm × 5.50 μm

Pixel formats

Sensor bit depth:	12
Monochrome pixel formats:	Mono8, Mono12, Mono12Packed

Imaging performance

Quantum efficiency @ 529 nm:	79 %
Quantum efficiency @ 850 nm:	44 %

Timing and gain

Max. frame rate:	26 fps
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I/Os and power

Opto-isolated lines:	1 input, 3 outputs
Power supply:	10.8 to 26.4 VDC AUX or 802.3at Type 1 PoE
Power consumption:	2.3 W at 12 VDC; 2.7 W PoE

Operating conditions

Operating temperature (housing):	5 °C to 45 °C housing temperature
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Mechanical properties

Body dimensions (L x W x H in mm):	61 × 29 × 29
Weight:	80 g

On-board memory and FPGA

Image buffer (RAM):	64 MByte
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Interfaces

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



