



Mako

Mako G-131

Mako G-131 is a 1.3 megapixel GigE machine camera that incorporates the high quality Type 1/1.8 (8.7 mm diagonal) Teledyne e2v Sapphire EV76C560 CMOS sensor. At full resolution, this camera runs 62 frames per second.

General

Model:	Mako G-131
Product series:	Mako
Status:	Available

Sensor

Sensor type:	Area scan
Chroma:	Mono or Color
Spectrum:	Visible
Resolution:	1,280 × 1,024 (1.30 MP)
Sensor model:	Teledyne e2v EV76C560
Sensor architecture (material):	CMOS
Shutter type(s):	Global Reset Shutter, Rolling Shutter
Sensor size:	9 mm ø (Type 1/1.8)
Pixel size:	5.30 μm × 5.30 μm

Pixel formats

Sensor bit depth:	8-bit or 10-bit
Monochrome pixel formats:	Mono8, Mono10
YUV pixel formats:	YUV411Packed, YUV422Packed, YUV444Packed
RGB pixel formats:	RGB8Packed, BGR8Packed
Bayer pixel formats:	BayerBG8, BayerBG10

Imaging performance

Quantum efficiency @ 529 nm:	58 %
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Timing and gain

Max. frame rate: 62 fps

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: 2.0 W at 12 VDC; 2.2 W PoE

Operating conditions

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

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

Non-volatile memory (Flash): 1024 KByte

Interfaces

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

Quantum Efficiency



