

Mako

Mako G-511

Mako G-511 is a 5.1 megapixel GigE machine vision camera that incorporates the high quality Type 1/1.8 (8.8 mm diagonal) Sony IMX547 CMOS sensor. At full resolution, this camera runs 23 frames per second. With a smaller region of interest, higher frame rates are possible.

General

Model	Mako G-511
Product series	Mako
Status	Available

Sensor

Sensor type	Area scan
Chroma	Mono or Color
Spectrum	Visible
Resolution	2,472 × 2,064 (5.10 MP)
Sensor model	Sony IMX547
Sensor architecture (material)	CMOS
Shutter type(s)	Global Shutter
Sensor size	9 mm ø (Type 1/1.8)
Pixel size	2.74 µm × 2.74 µm

Pixel formats

Sensor bit depth	12-bit
Monochrome pixel formats	Mono8, Mono12, Mono12Packed
YUV pixel formats	YUV411Packed, YUV422Packed, YUV444Packed
RGB pixel formats	RGB8Packed, BGR8Packed
Bayer pixel formats	BayerRG8, BayerRG12, BayerRG12Packed

Imaging performance

Quantum efficiency @ 529 nm	70 %
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Timing and gain

Max. frame rate	23 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	3.2 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

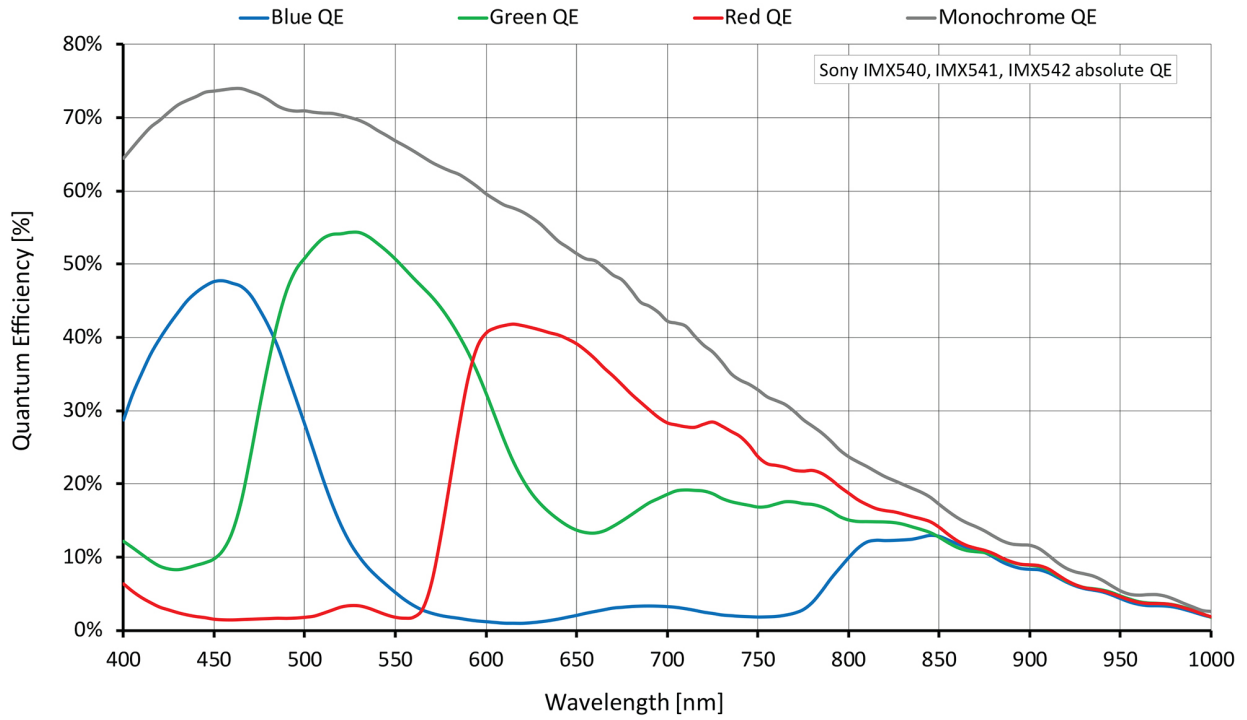
On-board memory and FPGA

Image buffer (RAM)	64 MByte
Non-volatile memory (Flash)	1024 KByte

Interfaces

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



Technical Drawing

