

Mako – Ultra-compact



The Mako is an attractively priced camera in a compact rugged industrial housing. It's equipped with either GigE Vision- or USB3 Vision-compliant interface technology to enable a reliable connection to your host system and image processing solution. Basic functionalities, including screw mount RJ45 connector and multiple I/Os, facilitate straightforward system integration. Mako cameras are equipped with CCD and the latest high-quality CMOS sensors to support the realization of future-oriented applications.

Key Facts

- // Small compact industrial housing
- // Essential feature set
- // NIR variants available
- // Power via the interface
- // Resolution up to 5 Megapixels
- // Operating temperature range: +5°C to +45°C (housing)
- // Dimensions (including connectors and default mount) L x W x H in mm
 - Mako G: 60.5 x 29.2 x 29.2
 - Mako U: 49.5 x 29 x 29
- // Maximum optical format: 1"
- // Inputs / Outputs
 - Mako G: 1 in / 3 out (opto-isolated)
 - Mako U: 1 in / 1 out (opto-isolated), plus 2 programmable GPIOs

Mako



Mako G

Camera model	Sensor	Mega-pixels	Resolution	Sensor	Shutter	Max. frame rate in fps	Pixel size in μm	Standard mount	Mono/color/NIR variants
G-030	CMOSIS/ams CMV300	0.3	644 × 484	1/3 CMOS	Global	309	7.4 × 7.4	C-Mount	• / • / -
G-032	Sony ICX424	0.3	656 × 492	1/3 CCD	Global	102.3	7.4 × 7.4	C-Mount	• / • / -
G-040	Sony IMX287	0.4	728 × 544	1/2.9 CMOS	Global	286	6.9 × 6.9	C-Mount	• / • / -
G-125	Sony ICX445	1.2	1292 × 964	1/3 CCD	Global	30.3	3.75 × 3.75	C-Mount	• / • / -
G-131	Teledyne e2v EV 76C560	1.3	1280 × 1024	1/1.8 CMOS	rolling, Global, Global reset	62	5.3 × 5.3	C-Mount	• / • / -
G-158	Sony IMX273	1.5	1456 × 1088	1/2.9 CMOS	Global	75.2	3.45 × 3.45	C-Mount	• / • / -
G-192	Teledyne e2v EV 76C570	1.9	1600 × 1200	1/1.8 CMOS	rolling, Global, Global reset	60	4.5 × 4.5	C-Mount	• / • / -
G-223	CMOSIS/ams CMV2000	2.2	2048 × 1088	2/3 CMOS	Global	49.5	5.5 × 5.5	C-Mount	• / • / •
G-234	Sony IMX249	2.3	1936 × 1216	1/1.2 CMOS	Global	40	5.86 × 5.86	C-Mount	• / • / -
G-319	Sony IMX265	3.1	2064 × 1544	1/1.8 CMOS	Global	37.5	3.45 × 3.45	C-Mount	• / • / -
G-419	CMOSIS/ams CMV4000	4.1	2048 × 2048	1" CMOS	Global	26.3	5.5 × 5.5	C-Mount	• / • / •
G-503	ON Semi MT9P031/P006	5.0	2592 × 1944	1/2.5 CMOS	rolling, Global reset	14	2.2 × 2.2	C-Mount	• / • / -
G-507	Sony IMX264	5.0	2464 × 2056	2/3 CMOS	Global	23.7	3.45 × 3.45	C-Mount	• / • / -



Mako U

Camera model	Sensor	Mega-pixels	Resolution	Sensor	Shutter	Max. frame rate in fps	Pixel size in μm	Standard mount	Mono/color/NIR variants
U-029	ON Semi PYTHON 300	0.3	640 × 480	1/4 CMOS	Global	550	4.8 × 4.8	C-Mount	• / - / -
U-051	ON Semi PYTHON 500	0.5	800 × 600	1/3.6 CMOS	Global	391	4.8 × 4.8	C-Mount	• / - / -
U-130	ON Semi PYTHON 1300	1.3	1280 × 1024	1/2 CMOS	Global	168	4.8 × 4.8	C-Mount	• / - / -
U-503	ON Semi MT9P031	5.0	2592 × 1944	1/2.5 CMOS	rolling, Global reset	14	2.2 × 2.2	C-Mount	• / - / -

Modular concept

// Various IR cut/pass filters

// CS-Mount, M12-Mount



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