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TECHNOLOGY GROUP

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// MAKO

Small size, powerful performance



Mako combines industrial performance and a rich feature set with a small size. Its GigE-Vision-compliant interface enables a reliable connection to your host over long distances up to 100 meters. Power over Ethernet and Trigger over Ethernet allow simplified and cost-optimized system setups as single cable solution. With advanced triggering features such as Precision Time Protocol (PTP), Mako cameras can be perfectly synchronized with other devices in a multi-camera system.

Key facts

// GigE Vision interface
// Resolution up to 12.4 megapixels
// Global, Global Reset, and Rolling Shutter sensors
// Up to 286 frames per second at full resolution
// Near-infrared and polarizer models

Mako

Camera model	Sensor	Mega-pixels	Resolution	Sensor format	Shutter mode	Max. frame rate in fps	Pixel size in µm	Standard mount	Mono/color/ mono NIR/ color NIR
G-032	Sony ICX424 CCD	0.3	658 × 492	Type 1/3	Global	102.3	7.4 × 7.4	C-Mount	• / • / - / -
G-040	Sony IMX287 CMOS	0.4	728 × 544	Type 1/2.9	Global	286	6.9 × 6.9	C-Mount	• / • / - / -
G-125	Sony ICX445 CCD	1.2	1292 × 964	Type 1/3	Global	30.3	3.75 × 3.75	C-Mount	• / • / - / -
G-131	Teledyne e2v EV76C560 CMOS	1.3	1280 × 1024	Type 1/1.8	Rolling, Global, Global Reset	62	5.3 × 5.3	C-Mount	• / • / - / -
G-158	Sony IMX273 CMOS	1.6	1456 × 1088	Type 1/2.9	Global	75.2	3.45 × 3.45	C-Mount	• / • / - / -
G-192	Teledyne e2v EV76C570 CMOS	1.9	1600 × 1200	Type 1/1.8	Rolling, Global, Global Reset	60	4.5 × 4.5	C-Mount	• / • / - / -
G-223	ams CMV2000 CMOS	2.2	2048 × 1088	Type 2/3	Global	49.5	5.5 × 5.5	C-Mount	• / • / - / -
G-234	Sony IMX249 CMOS	2.4	1936 × 1216	Type 1/1.2	Global	41.5	5.86 × 5.86	C-Mount	• / • / - / -
G-319	Sony IMX265 CMOS	3.2	2064 × 1544	Type 1/1.8	Global	37.6	3.45 × 3.45	C-Mount	• / • / - / -
G-419	ams CMV4000 CMOS	4.2	2048 × 2048	Type 1	Global	26.3	5.5 × 5.5	C-Mount	• / • / - / -
G-503	ON Semi MT9P031/ P006 CMOS	5.0	2592 × 1944	Type 1/2.5	Rolling, Global Reset	14	2.2 × 2.2	C-Mount	• / • / - / -
G-507	Sony IMX264 CMOS	5.1	2464 × 2056	Type 2/3	Global	23.7	3.45 × 3.45	C-Mount	• / • / - / -
G-508	Sony IMX250 MZR CMOS	5.1	2464 × 2056	Type 2/3	Global	23.7	3.45 × 3.45	C-Mount	• / - / - / -
G-511	Sony IMX547 CMOS	5.1	2472 × 2064	Type 1/1.8	Global	23.4	2.74 x 2.74	C-Mount	• / • / - / -
G-811	Sony IMX546 CMOS	8.1	2856 × 2848	Type 2/3	Global	14.7	2.74 x 2.74	C-Mount	• / • / - / -
G-1242	Sony IMX545 CMOS	12.4	4128 × 3008	Type 1.2	Global	9.6	2.74 x 2.74	C-Mount	• / • / - / -

Modular concept	
// Various IR cut / pass filters and protection glass	// CS-Mount / M12-Mount (adapter)
Dimensions (including connectors and standard mount) L × W × H in mm	
// 60.5 × 29.2 × 29.2	



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