

// MANTA

Versatility at its best



Providing the largest choice of sensors and an advanced feature set, Manta is Allied Vision's most versatile GigE Vision camera series. Numerous modular options, including angled head and board level versions, facilitate the camera integration in almost any application. Manta's advanced feature set simplifies multi-camera applications, reduces the need for cabling, and keeps your costs low.

Key facts

- // GigE Vision interface
- // Resolutions up to 12.4 megapixels
- // Global Shutter sensor
- // Up to 286 frames per second at full resolution
- // Near-infrared models

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Camera model	Sensor	Mega-pixels	Resolution	Sensor format	Shutter mode	Max. frame rate in fps	Pixel size in µm	Standard mount	Mono/color/NIR
G-031	Sony ICX618 CCD	0.3	656 × 492	Type 1/4	Global	125.2	5.6 × 5.6	C-Mount	• / • / -
G-032	Sony ICX424 CCD	0.3	656 × 492	Type 1/3	Global	80.7	7.4 × 7.4	C-Mount	• / • / -
G-033	Sony ICX414 CCD	0.3	656 × 492	Type 1/2	Global	88.7	9.9 × 9.9	C-Mount	• / • / -
G-040	Sony IMX287 CMOS	0.4	728 × 544	Type 1/2.9	Global	286.3	6.9 × 6.9	C-Mount	• / • / -
G-046	Sony ICX415 CCD	0.5	780 × 580	Type 1/2	Global	67.5	8.3 × 8.3	C-Mount	• / • / -
G-125	Sony ICX445 CCD	1.2	1292 × 964	Type 1/3	Global	31.0	3.75 × 3.75	C-Mount	• / • / -
G-145	Sony ICX285 CCD	1.4	1388 × 1038	Type 2/3	Global	15.0	6.45 × 6.45	C-Mount	• / • / •
G-145-30fps	Sony ICX285 CCD	1.4	1388 × 1038	Type 2/3	Global	30.1	6.45 × 6.45	C-Mount	• / • / -
G-146	Sony ICX267 CCD	1.4	1388 × 1038	Type 1/2	Global	17.8	4.65 × 4.65	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-201	Sony ICX274 CCD	2.0	1624 × 1234	Type 1/1.8	Global	14.7	4.4 × 4.4	C-Mount	• / • / -
G-201-30fps	Sony ICX274 CCD	2.0	1624 × 1234	Type 1/1.8	Global	30.0	4.4 × 4.4	C-Mount	• / • / -
G-223	ams CMV2000 CMOS	2.2	2048 × 1088	Type 2/3	Global	53.7	5.5 × 5.5	C-Mount	• / • / -
G-235	Sony IMX174 CMOS	2.4	1936 × 1216	Type 1/1.2	Global	50.8	5.86 × 5.86	C-Mount	• / • / -
G-282	Sony ICX687 CCD	2.8	1936 × 1458	Type 1/1.8	Global	30.4	3.69 × 3.69	C-Mount	• / • / -
G-283	Sony ICX674 CCD	2.8	1936 × 1458	Type 2/3	Global	30.4	4.54 × 4.54	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	28.6	5.5 × 5.5	C-Mount	• / • / •
G-504	Sony ICX655 CCD	5.0	2452 × 2056	Type 2/3	Global	9.2	3.45 × 3.45	C-Mount	• / • / -
G-505	Sony ICX625 CCD	5.0	2452 × 2056	Type 2/3	Global	15.0	3.45 × 3.45	C-Mount	• / • / -
G-507	Sony IMX264 CMOS	5.1	2464 × 2056	Type 2/3	Global	23.7	3.45 × 3.45	C-Mount	• / • / -
G-895	Sony IMX267 CMOS	8.9	4112 × 2176	Type 1	Global	13.4	3.45 × 3.45	C-Mount	• / • / -
G-917	Sony ICX814 CCD	9.2	3384 × 2710	Type 1	Global	10.1	3.69 × 3.69	C-Mount	• / • / -
G-1236	Sony IMX304 CMOS	12.4	4112 × 3008	Type 1.1	Global	9.7	3.45 × 3.45	C-Mount	• / • / -

Modular concept

- // Various IR cut / pass filters and protection glass
- // CS-Mount / M12-Mount (adapter)
- // White medical design
- // Power over Ethernet
- // Angled head (selected models)
- // Removed cover glass (G-145B only)

Board level versions (selected models)

- // Remote sensor head
- // Different flex cable lengths up to 200 mm
- // Power over Ethernet
- // C-Mount / CS-Mount / M12-Mount (adapter)
- // Removed cover glass (G-145 only)

Dimensions (including connectors and standard mount) L × W × H in mm

- // 86.4 × 44 × 29

