



// ALVIUM G1 CAMERA SERIES

# The GigE Vision refresh

# Reliability designed for the future

Alvium G1 is the first GigE Vision camera powered by ALVIUM® Technology, Allied Vision's ASIC chip. It combines the advantages of the established GigE Vision standard with the flexibility of the Alvium platform. In addition to a comprehensive feature set and a broad sensor selection, it offers great versatility. With its very compact housing and industrial standard hardware, it can easily be integrated into any vision systems while ensuring long-term availability and reliability.

## Alvium G1



Camera model	Sensor	Mega-pixels	Resolution	Sensor format	Shutter mode	Max. frame rate in fps	Pixel size in µm	Mono/color/ mono NIR/ color NIR
G1-040	Sony IMX287 CMOS	0.4	728 × 544	Type 1/2.9	Global	276	6.9 × 6.9	•/•/-/-
G1-158	Sony IMX273 CMOS	1.6	1456 × 1088	Type 1/2.9	Global	72	3.45 × 3.45	•/•/-/-
G1-234	Sony IMX249 CMOS	2.4	1936 × 1216	Type 1/1.2	Global	40	5.86 × 5.86	•/•/-/-
G1-240	Sony IMX392 CMOS	2.4	1936 × 1216	Type 1/2.3	Global	49	3.45 × 3.45	•/•/-/-
G1-319	Sony IMX265 CMOS	3.2	2064 × 1544	Type 1/1.8	Global	36	3.45 × 3.45	•/•/-/-
G1-500	ON Semi AR0521SR CMOS	5.0	2592 × 1944	Type 1/2.5	Rolling	23	2.2 × 2.2	•/•/-/-
G1-507	Sony IMX264 CMOS	5.1	2464 × 2056	Type 2/3	Global	23	2.2 × 2.2	•/•/-/-
G1-510	Sony IMX548 CMOS	5.1	2464 × 2064	Type 1/1.8	Global	23	2.74 × 2.74	•/•/-/-
G1-811	Sony IMX546 CMOS	8.1	2848 × 2848	Type 2/3	Global	14	2.74 × 2.74	•/•/-/-
G1-1236	Sony IMX304 CMOS	12.4	4112 × 3008	Type 1.1	Global	9	3.45 × 3.45	•/•/-/-
G1-1240	Sony IMX226 CMOS	12.2	4024 × 3036	Type 1/1.7	Rolling, Global Reset	9	1.85 × 1.85	•/•/-/-
G1-1242	Sony IMX545 CMOS	12.4	4128 × 3008	Type 1/1.1	Global	9	2.74 × 2.74	•/•/-/-
G1-1620	Sony IMX542 CMOS	16.2	5328 × 3040	Type 1.1	Global	7	2.74 × 2.74	•/•/-/-
G1-2040	Sony IMX541 CMOS	20.4	4512 × 4512	Type 1.1	Global	5	2.74 × 2.74	•/•/-/-
G1-2050	Sony IMX183 CMOS	20.2	5496 × 3672	Type 1	Rolling	5	2.4 × 2.4	•/•/-/-
G1-2460	Sony IMX540 CMOS	24.6	5328 × 4608	Type 1.2	Global	4	2.74 × 2.74	•/•/-/-

## At a glance

Interface options	GigE Vision
Mount options	C-Mount / CS-Mount / S-Mount (M12)
Camera control options	Vimba SDK or GenICam-compliant third-party software
Operating temperature	-20°C to +55°C
Power requirements	Power over Ethernet (PoE) or external power 12-24 VDC
Body dimensions (L × W × H)	41mm × 29mm × 29mm (Closed Housing)



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