

Frame Grabber

Frame grabber is one of the core accessories in the machine vision system. It can provide customers with 1-stop solutions and product selection.



Rich interfaces to meet different protocol applications



Full technical support system

Specifications

CE RoHS

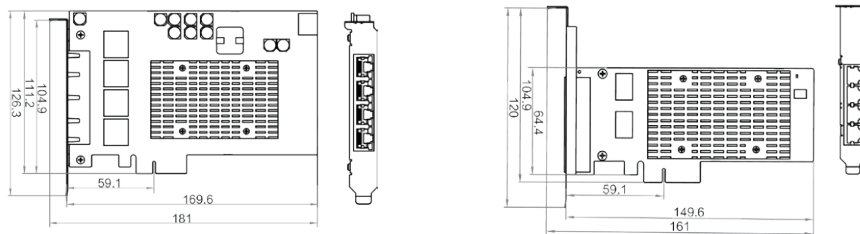
Camera type supported	Model	Interconnect	Delivery bandwidth	Interface(Optical module equipped additionally)	Camera connection speed	Power consumption
GigE industrial camera	MV-GE1004	PCI-E gen2 × 4	1720 MB/s (max. transmission bandwidth), 1600 MB/s (sustained transmission bandwidth)	4 × RJ45	1 Gbps	Typ. 10 W (without PoE)
	MV-GE1104	PCI-E gen2 × 4	1720 MB/s (max. transmission bandwidth), 1600 MB/s (sustained transmission bandwidth)	4 × RJ45	1 Gbps	Typ. 10 W (without PoE)
	MV-GE1104P	PCI-E gen2 × 4 PCI-E gen2 x 2link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	4 × RJ45	1 Gbps	Typ. 10 w (without PoE)
	MV-GE2002	PCI-E gen2 × 4 PCI-E gen2 x 2link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	2 × RJ45	10/100/1000 Mbps	Typ. 4.3 W
	MV-GE2002P	PCI-E gen2 × 4 PCI-E gen2 x 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	2 × RJ45	10/100/1000 Mbps	Typ. 7.5 W (without PoE)
	MV-GE2004	PCI-E gen2 × 4 PCI-E gen2 x 2link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	4 × RJ45	10/100/1000 Mbps	Typ. 5.5 W
	MV-GE2004P	PCI-E gen2 × 4 PCI-E gen2 x 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	4 × RJ45	10/100/1000 Mbps	Typ. 9 W (without PoE)
	MV-GE2202	PCI-E gen2 × 4	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	2 × RJ45	10/100/1000 Mbps	Typ. 2 W
	MV-GE2202P	PCI-E gen2 × 4	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	2 × RJ45	10/100/1000 Mbps	Typ. 2 W (without PoE)
	MV-GE2204	PCI-E gen2 × 4	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	4 × RJ45	10/100/1000 Mbps	Typ. 3 W
	MV-GE2204P	PCI-E gen2 × 4	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	4 × RJ45	10/100/1000 Mbps	Typ. 3 W (without PoE)



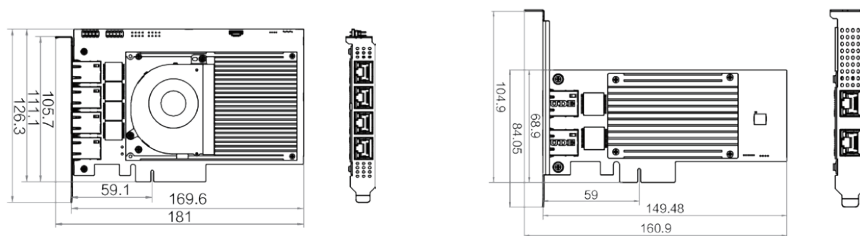
Camera type supported	Model	Interconnect	Delivery bandwidth	Interface(Optical module equipped additionally)	Camera connection speed	Power consumption
10GigE & XoF industrial Camera	MV-GT1002	PCI-E gen2 × 8	3900 MB/s (max. transmission bandwidth), 3350 MB/s (sustained transmission bandwidth)	2 × RJ45	10 Gbps	Typ. 19.2 W
	MV-GT1004	PCI-E gen2 × 8	3900 MB/s (max. transmission bandwidth), 3350 MB/s (sustained transmission bandwidth)	4 × RJ45	10 Gbps	Typ. 24 W
10 GigE Fiber industrial camera	MV-GT2001	PCI-E gen3 × 4	31.5 Gbps (max. transmission bandwidth), 20 Gbps (sustained transmission bandwidth)	RJ45 × 1	1000/10000 Mbps	Typ. 7 W
	MV-GT2002	PCI-E gen3 × 4	31.5 Gbps (max. transmission bandwidth), 20 Gbps (sustained transmission bandwidth)	RJ45 × 2	1000/10000 Mbps	Typ. 12 W
	MV-GS1004	PCI-E gen2 × 8	3900 MB/s (max. transmission bandwidth), 3350 MB/s (sustained transmission bandwidth)	4 × SFP	10 Gbps	Typ. 20 W
Camera Link industrial camera	MV-GC110210L	PCI-E gen2 × 4	1720 MB/s (max. transmission bandwidth), 1600 MB/s (sustained transmission bandwidth)	2 × SDR	6.8 Gbps	Typ. 10 W (without PoCL)
	MV-GC1002-V2	PCI-E gen2 × 4	1720 MB/s (max. transmission bandwidth), 1600 MB/s (sustained transmission bandwidth)	2 × SDR	6.8 Gbps	Typ. 10 W (without PoCL)
CXP-6 connector industrial camera	MV-GX1004	PCI-E gen2 × 8	3900 MB/s (max. transmission bandwidth), 3350 MB/s (sustained transmission bandwidth)	4 × DIN 1.0/2.3	1.25/2.5/3.125/5/6.25/10/12.5 Gbps (CXP-1/2/3/5/6)	Typ. 20 W (without PoCXP)
CXP-6/CXP-12 connector industrial camera	MV-GY1004	PCI-E gen3 × 8	7800 MB/s (max. transmission bandwidth), 6700 MB/s (sustained transmission bandwidth)	4 × HD-BNC	1.25/2.5/3.125/5/6.25/10/12.5 Gbps (CXP-1/2/3/5/6/10/12)	Typ. 20 W (without PoCXP)

Camera type supported	Model	Interconnect	Delivery bandwidth	Interface(Optical module equipped additionally)	Camera connection speed	Power consumption
GigE industrial camera	MV-GE2002	PCI-E gen2 × 4, PCI-E gen2 × 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	2 × RJ45	10/100/1000 Mbps	Typ. 4.3 W
	MV-GE2004	PCI-E gen2 × 4, PCI-E gen2 × 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	4 × RJ45	10/100/1000 Mbps	Typ. 5.5 W
	MV-GE2002P	PCI-E gen2 × 4, PCI-E gen2 × 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	2 × RJ45	10/100/1000 Mbps	Typ. 7.5 W (without PoE)
	MV-GE2004P	PCI-E gen2 × 4, PCI-E gen2 × 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	4 × RJ45	10/100/1000 Mbps	Typ. 9 W (without PoE)
	MV-GE2202	PCI-E gen2 × 4, PCI-E gen2 × 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	2 × RJ45	10/100/1000 Mbps	Typ. 2 W
	MV-GE2204	PCI-E gen2 × 4, PCI-E gen2 × 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	4 × RJ45	10/100/1000 Mbps	Typ. 3 W
	MV-GE2202P	PCI-E gen2 × 4, PCI-E gen2 × 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	2 × RJ45	10/100/1000 Mbps	Typ. 2 W (without PoE)
	MV-GE2204P	PCI-E gen2 × 4, PCI-E gen2 × 2 link	860 MB/s (max. transmission bandwidth), 800 MB/s (sustained transmission bandwidth)	4 × RJ45	10/100/1000 Mbps	Typ. 3 W (without PoE)
USB industrial camera	MV-GU2104	PCI-E gen2 × 4	1720 MB/s (max. transmission bandwidth), 1600 MB/s (sustained transmission bandwidth)	USB3.0 type-A	Max. 5 Gbps	Typ. 6 W (without USB power supply) Typ. 24 W (with USB power supply)
10 GigE industrial camera	MV-GT2001	PCI-E gen2 × 4	1000 MB/s (max. transmission bandwidth), 1000 MB/s (sustained transmission bandwidth)	1 × RJ45	10 Gbps	Typ. 7 W
	MV-GT2002	PCI-E gen2 × 8	2000 MB/s (max. transmission bandwidth), 2000 MB/s (sustained transmission bandwidth)	2 × RJ45	10 Gbps	Typ. 10W

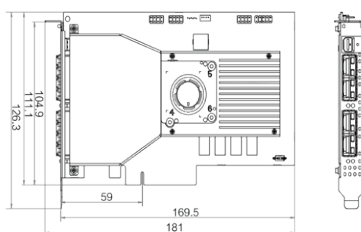
Dimension



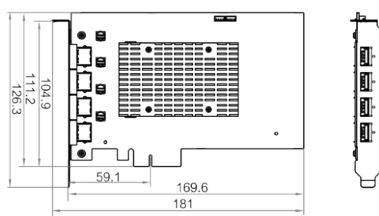
GigE industrial camera



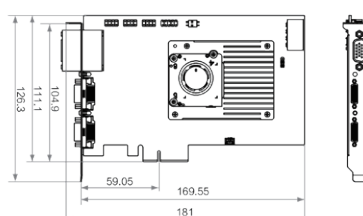
10 GigE Fiber industrial camera



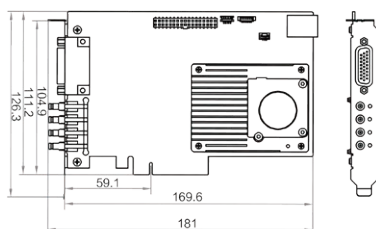
XoF industrial Camera



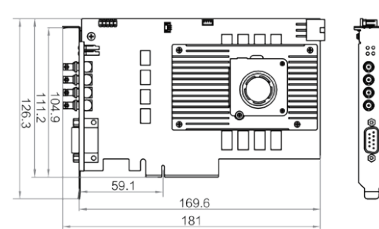
USB industrial camera



Camera Link industrial camera



CXP-6 connector industrial camera



CXP-12 connector industrial camera

Unit:mm