

MV-GT1100P

10 GigE Electrical Port Frame Grabber



GENCAM

10GigE
VISION

Introduction

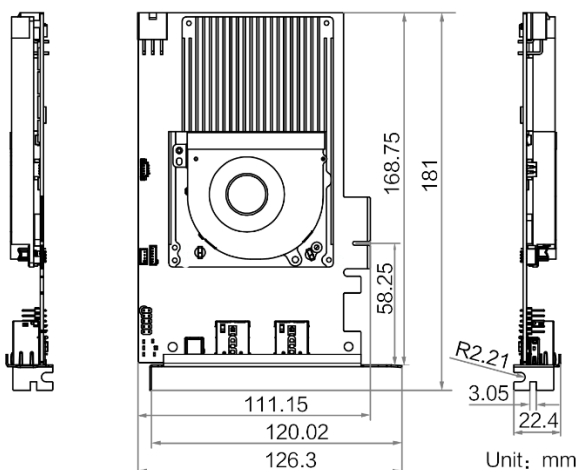
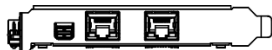
MV-GT1100P series 10 GigE frame grabber supports GigE Vision V2.0 protocol, provides up to 4 RJ45 ports, supports the bus bandwidth of 40 Gbps, and is applicable to 10 GigE industrial camera with electrical port.

Available Model

- MV-GT1102P
- MV-GT1104P

Dimension

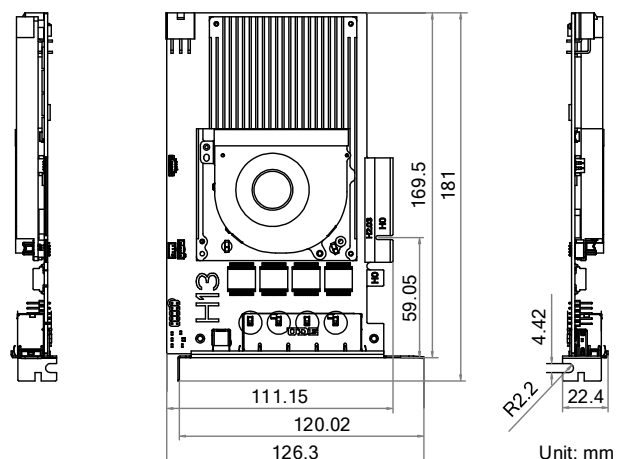
MV-GT1102P



Key Feature

- Supports GigE Vision V2.0 protocol with each channel accessing up to 10 Gbps data transfer speed.
- Supports PCI-E gen3 × 8 bus interface and the max. bus bandwidth of 40 Gbps.
- Supports card-end pre-processing to reduce CPU load.
- Supports data packet resending, event control, etc.
- Adopts multiple I/O connectors for input and output.
- Provides SDK for secondary development.
- Complies with GenIcam standard.

MV-GT1104P



Specification

Model	MV-GT1102P	MV-GT1104P
Memory		
On-board memory	2 GB DDR4-RAM	4 GB DDR4-RAM
Host interface		
Interconnect	PCI-E gen3 × 4	PCI-E gen3 × 8
Delivery bandwidth	7000 MB/s (max. transmission bandwidth) 6750 MB/s (sustained transmission bandwidth)	
Indicator	1	
Camera interface		
Standard	GigE Vision V2.0	
Interface	RJ45 × 2, supports PoE	RJ45 × 4, supports PoE
Camera type supported	GigE industrial camera, 10 GigE industrial camera, and 2.5 GigE industrial camera	
Camera quantity supported	2 at most (total bandwidth up to 20 Gbps)	4 at most (total bandwidth up to 40 Gbps)
Camera connection speed	10 Gbps	
Stream	2	4
Stream indicator	2 pairs	4 pairs
Processing feature		
Pixel format	Mono 8/10/10p/12/12p/16 Bayer 8/10/10p/12/12p YUV422Packed, YUV422_YUYV_Packed RGB 8, BGR 8	
Jumbo frame	9 KB	
GPIO		
I/O Type	Configurable input/output × 6, compatible with single-ended/differential, and supports cascading of multiple frame grabbers I/O on bracket: Line 0/1/2/3 supports 3.3 VDC to 24 VDC input, and 3.3 VDC output, N-terminal reference voltage is adjustable simultaneously I/O on PCB: Line 4/5 supports 3.3 VDC to 24 VDC input and 3.3 VDC output	
Connector	I/O on bracket: Mini-DP, female, 20-pin I/O on PCB: 9-pin header (2.54 mm pitch, 2 × 5, 10 pin blind holes)	
Electrical feature		
Power consumption	Typ. 21.1 W	Typ. 28.5 W
Mechanical		
Dimension	181 mm × 126.3 mm × 22.4 mm (7.1" × 5.0" × 0.9")	
Temperature	Working temperature: 0 °C to 55 °C (32 °F to 131 °F) Storage temperature: -20 °C to 70 °C (-4 °F to 158 °F)	
Humidity	10% RH to 95% RH (no condensation)	
General		
Client software	MVS	
Operating system	Windows 7/10/11	
Certification	CE, KC, RoHS	