

MV-GT1000

10 GigE Electrical Port Frame Grabber



GEN<i>CAM

10GiGE
VISION

Introduction

MV-GT1000 series 10 GigE frame grabber supports GigE Vision V2.0 protocol, provides multiple RJ45 ports, and is applicable to 10 GigE industrial camera with electrical port.

Available Model

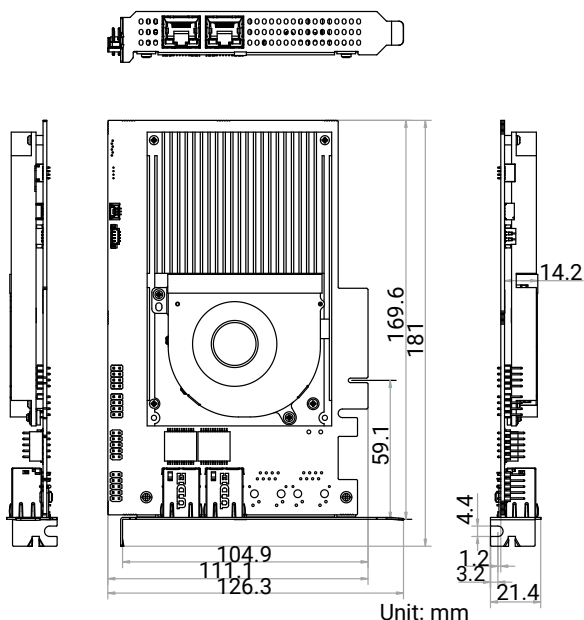
- Dual electrical ports: MV-GT1002
- Quad electrical ports: MV-GT1004

Key Feature

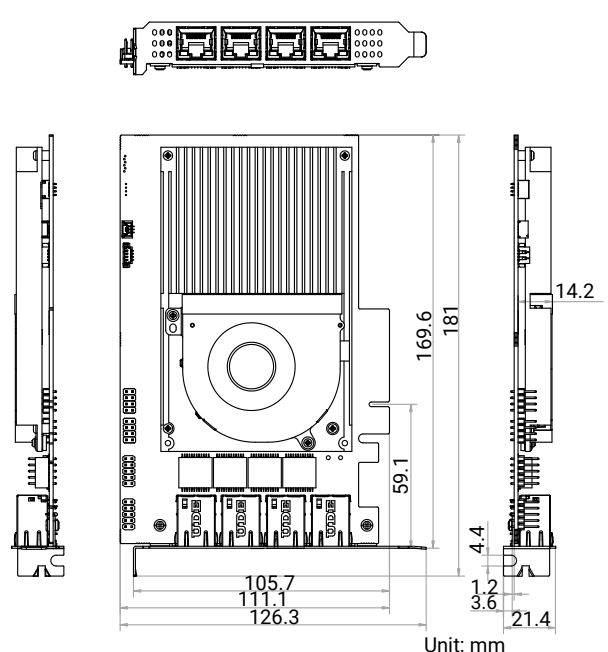
- Supports GigE Vision V2.0 protocol with each channel accessing up to 10 Gbps data transfer speed.
- Supports data packet resending, event control, etc.
- Various indicators indicate frame grabber status in real time.
- Adopts multiple I/O connectors for input and output.
- Provides SDK for secondary development.
- Complies with GenIcam standard.

Dimension

MV-GT1002



MV-GT1004



Specification

Model	MV-GT1002	MV-GT1004
Memory		
On-board memory	2 GB DDR3-RAM	
Host interface		
Interconnect	PCI-E gen2 × 8	
Delivery bandwidth	3900 MB/s (max. transmission bandwidth) 3350 MB/s (sustained transmission bandwidth)	
Indicator	1	
Camera interface		
Standard	GigE Vision V2.0	
Interface	RJ45 × 2	RJ45 × 4
Camera type supported	GigE industrial camera and 10 GigE industrial camera	
Camera quantity supported	2 at most	4 at most (total bandwidth up to 27 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 × 8, compatible with single-ended/differential Line 0/1/4/5/6/7 supports 3.3 VDC to 12 VDC input, and 3.3 VDC output Line 2/3 supports 3.3 VDC to 24 VDC input and 3.3 VDC output	
Connector	9-pin header	
Electrical feature		
Power consumption	Typ. 19.2 W	Typ. 24 W
Mechanical		
Dimension	181 mm × 126.3 mm × 21.4 mm (7.1" × 5.0" × 0.8")	
Temperature	Working temperature: 0 °C to 60 °C (32 °F to 140 °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, Ubuntu18.04 to 22.04 on Linux	
Certification	CE, KC, RoHS	