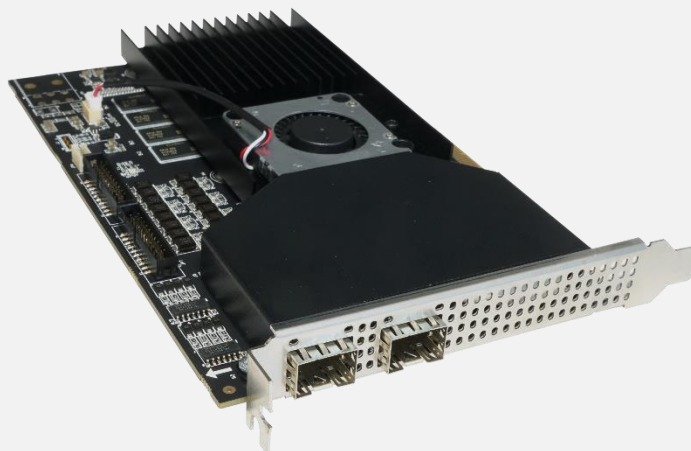# MV-GS1000F

Fiber Port Frame Grabber

Introduction

MV-GS1000F series fiber port frame grabber adopts self-developed protocol, and its SFP+ interfaces can be connected to 2 cameras at most via its pluggable SFP+ modules. According to different SFP+ modules, the frame grabber is applicable to MV-CL082-91FM and MV-CL083-91FC line scan cameras.
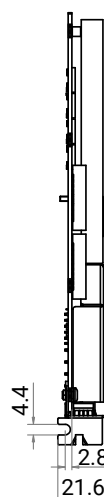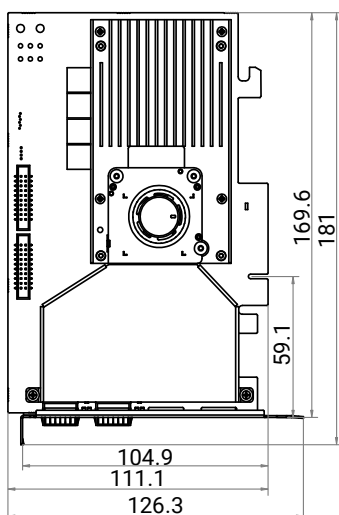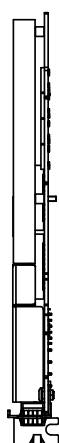
Available Model

MV-GS1002F

Dimension
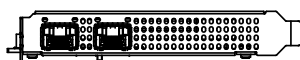
Key Feature

- Provides 20G fiber port to transmit data with max. bandwidth of 20 Gbps.
- Various indicators indicate frame grabber status in real time.
- Adopts multiple I/O connectors for input and output.
- Provides SDK for secondary development.

169.6
181
59.1
4.4
104.9
111.1
126.3
2.8
21.6

Unit: mm

Specification

Model	MV-GS1000F
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	Self-developed
Interface	SFP+ × 2
Camera type supported	MV-CL082-91FM, MV-CL083-91FC
Camera quantity supported	2 at most (total bandwidth up to 20 Gbps)
Camera connection speed	10/20 Gbps
Stream	2
Stream indicator	2 pairs
Processing feature	
Pixel format	Mono 8/10/12
GPIO	
I/O Type	Provides 24 I/O connectors, including opto-isolated input × 4 (4.5 VDC to 28 VDC), opto-isolated output × 4 (4.5 VDC to 28 VDC), RX422 input × 4, TX422 output × 4, TTL input × 4, and TTL output × 4
Connector	Female header
Electrical feature	
Power consumption	Typ. 20 W
Mechanical	
Dimension	181 mm × 126.3 mm × 21.6 mm (7.1" × 5.0" × 0.9")
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% to 95% RH, non-condensing
General	
Client software	MVS
Operating system	32/64-bit Windows 7/10
Certification	CE, KC, RoHS