

MV-GS1100F

XoF Fiber Port Frame Grabber



Introduction

MV-GS1100F series XoF fiber port frame grabber adopts XoFLink protocol, and its SFP+ interfaces can be connected to 4 cameras at most via its pluggable SFP+ modules and 2LC optical fiber patch cords. The frame grabber provides a link bandwidth up to 10 Gbps per channel and supports cameras with optical fiber trigger function. It offers advantages like high speed, fast response, durability, and stability.

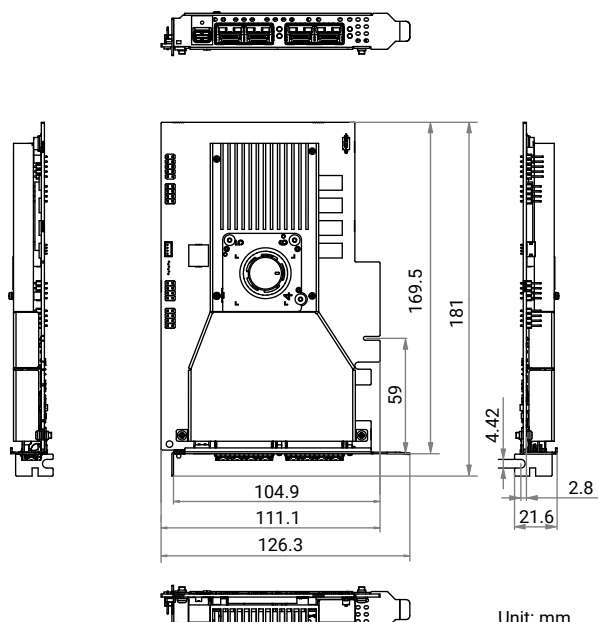
Available Model

- MV-GS1104F

Dimension

Key Feature

- Supports XoFLink protocol with multiple fiber ports to transmit data.
- Utilizes an interconnect of PCI-E gen3 × 8 to support image capture from 4 cameras simultaneously at a speed of 10 Gbps.
- Various indicators indicate frame grabber status in real time.
- Adopts multiple I/O connectors for input and output.
- Provides SDK for secondary development.



Unit: mm

Specification

Parameter	Model	MV-GS1104F
		XoF Fiber Port Frame Grabber
Memory		
On-board memory		4 GB DDR4
Host interface		
Interconnect		PCI-E gen3 × 8
Delivery bandwidth		7800 MB/s (max. transmission bandwidth) 6700 MB/s (sustained transmission bandwidth)
Indicator		1
Camera interface		
Standard		XoFLink
SFP+ module		SFP+ × 4
Data interface		2LC fiber port
Camera quantity supported		1/2/3/4
Camera connection speed		10 Gbps for single port, 40 Gbps in total
Stream		4
LED indicator		4
GPIO		
I/O type		Provides 11 configurable I/O connectors, compatible with single-ended/differential signals, and supports cascading of multiple frame grabbers. <ul style="list-style-type: none"> I/O on bracket: Line 0 to Line 7 supports input and output (3.3 V to 24 V) I/O on PCB: Line 8 to Line 10 supports input (3.3 V to 12 V) and output (3.3 V)
Connector		<ul style="list-style-type: none"> Connector of I/O on bracket: 20-pin MiniDP female connector Connector of I/O on PCB: 9-pin header (2.54 mm interval, 2 x 5, 10-pin hole)
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% RH to 95% RH (no condensation)
General		
Client software		MVS
Operating system		Windows 7/10/11, Ubuntu 16.04 to 20.04 on Linux
Certification		CE, KC, RoHS