MV-GY1000IOL

4-Channel CXP-12 Frame Grabber

GEN<i>CAM

Introduction

MV-GY1000IOL CXP-12 frame grabber supports CXP-12 protocol, and its each channel supports accessing up to 12.5 Gbps data transfer speed.
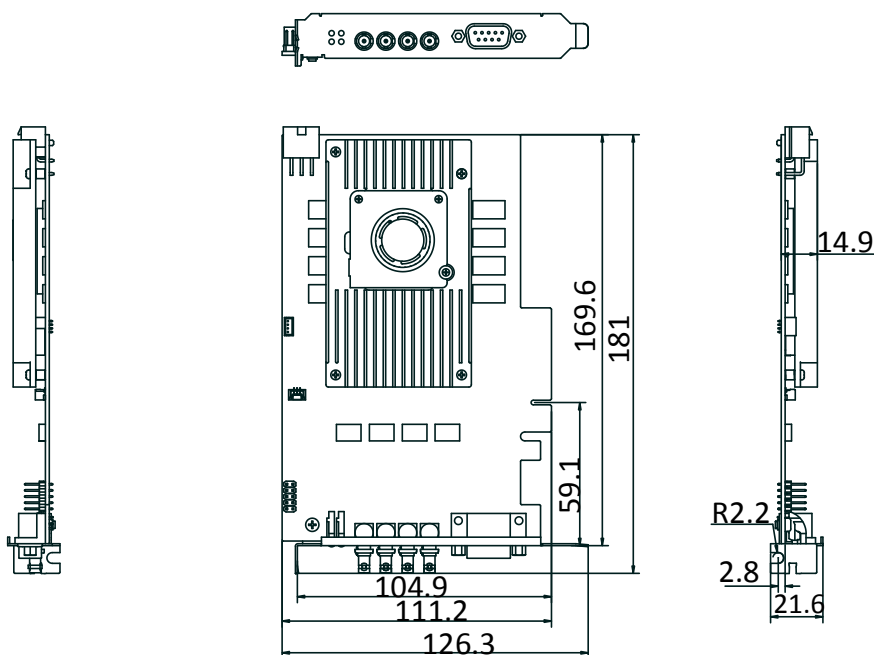
Key Feature

- Supports CXP-12 protocol with each channel accessing up to 12.5 Gbps data transfer speed.
- Supports PoCXP with each channel providing 13 W at most.
- 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.

Available Model

MV-GY1004IOL

Dimension

Unit: mm

Specification

Model	MV-GY1004IOL
Memory	
On-board memory	4 GB DDR4-RAM
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	CoaXPress 2.1
Interface	HD-BNC × 4
Power output	PoCXP, each channel provides 13 W @ 24 VDC at most
Camera type supported	CXP-6/CXP-12 connector industrial camera
Camera quantity supported	4 at most, supports connecting 1 to 4 camera(s)
Camera connection speed	1.25/2.5/3.125/5/6.25/10/12.5 Gbps (CXP-1/2/3/5/6/10/12)
Stream	4
Stream indicator	4
Processing feature	
Pixel format	Mono 8/10/12/16
	Bayer 8/10/12
	RGB 8
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 output
Connector	DB9 and built-in pin header
Electrical feature	
Power consumption	Typ. 20 W (without PoCXP)
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
Certification	CE, RoHS, KC