

# MV-GX1000

## 4-Channel CXP-6 Frame Grabber



**GEN*i*CAM**

### Introduction

MV-GX1000 CXP frame grabber supports CXP-6 protocol. The frame grabber's 4 DIN connectors can be connected to 1 to 4 cameras with different combinations, and each DIN connector can access up to 6.25 Gbps data transfer speed.

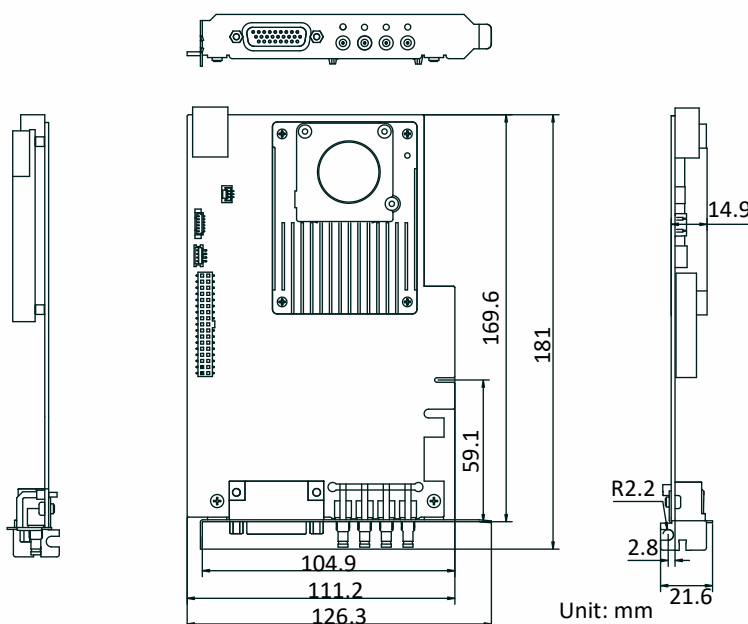
### Available Model

MV-GX1004

### Dimension

### Key Feature

- Supports CXP-6 protocol with each DIN connector accessing up to 6.25 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.



# Specification

<b>Model</b>	<b>MV-GX1004</b>
<b>Memory</b>	
<b>On-board memory</b>	4 GB DDR3-RAM
<b>Host interface</b>	
<b>Interconnect</b>	PCI-E gen2 × 8
<b>Delivery bandwidth</b>	3900 MB/s (max. transmission bandwidth), 3350 MB/s (sustained transmission bandwidth)
<b>Indicator</b>	1
<b>Camera interface</b>	
<b>Standard</b>	CoaXPress 1.0/1.1
<b>Interface</b>	DIN 1.0/2.3 × 4
<b>Power output</b>	PoCXP, each channel provides 13 W@ 24 VDC at most
<b>Camera type supported</b>	CXP-6 connector industrial camera
<b>Camera quantity supported</b>	4 at most
<b>Camera connection speed</b>	1.25/2.5/3.125/5/6.25 Gbps (CXP-1/2/3/5/6)
<b>Stream</b>	4
<b>Stream indicator</b>	4
<b>Processing feature</b>	
<b>Pixel format</b>	Mono 8/10/12/16, Bayer 8/10/12/16, RGB 8
<b>GPIO</b>	
<b>I/O Type</b>	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
<b>Connector</b>	HD26 female header
<b>Electrical feature</b>	
<b>Power consumption</b>	Typ. 20 W (without PoCXP)
<b>Mechanical</b>	
<b>Dimension</b>	181 mm × 126.3 mm × 21.6 mm (7.1" × 5.0" × 0.9")
<b>Temperature</b>	Working temperature: 0 °C to 60 °C (32 °F to 140 °F) Storage temperature: -20 °C to 70 °C (-4 °F to 158 °F)
<b>Humidity</b>	10% to 95% RH, non-condensing
<b>General</b>	
<b>Client software</b>	MVS
<b>Operating system</b>	32/64-bit Windows 7/10
<b>Certification</b>	WEEE, RoHS, REACH

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