PCIe-CXP04

4-Channel CXP-6 Frame Grabber

GEN<i>CAM

CoaXPress®

Introduction

PCIe-CXP04 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.
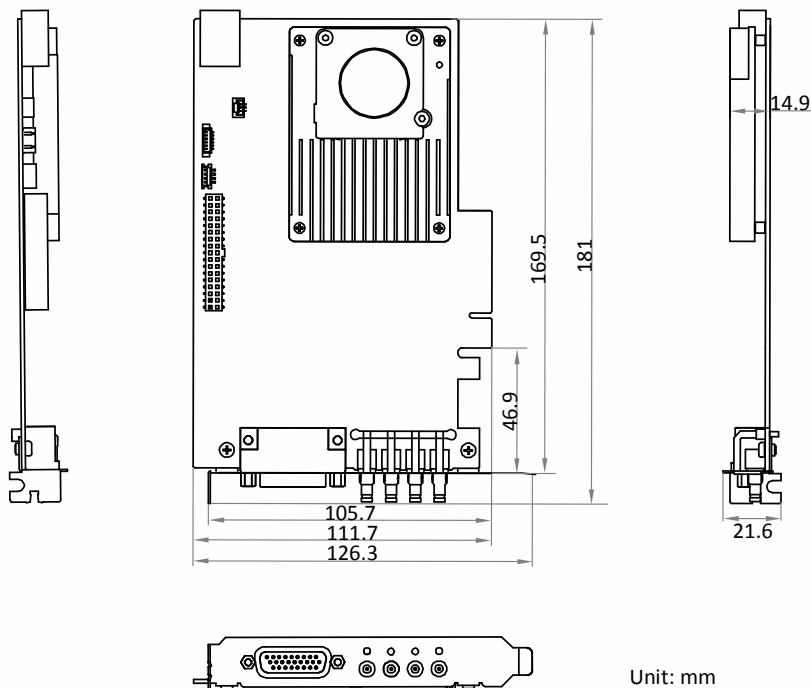
Available Model

PCIe-CXP04

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.

14.9

169.5

181

46.9

105.7

111.7

126.3

21.6

Unit: mm

Specification

Model	PCIe-CXP04
Memory	
On-board memory	4 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	CoaXPress 1.0/1.1
Connector	DIN 1.0/2.3 × 4
Power output	PoCXP, each channel provides 13 W@ 24 VDC at most
Camera type supported	CXP-6 connector industrial camera
Camera quantity supported	4 at most
Camera connection speed	1.25/2.5/3.125/5/6.25 Gbps (CXP-1/2/3/5/6)
Stream	4
Stream indicator	4
Processing feature	
Pixel format	Mono 8/10/12/16, Bayer 8/10/12/16, RGB 8
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	HD26 female header
Electrical feature	
Power consumption	Typ. 20 W (without PoCXP)
Mechanical	
Dimension	181 mm × 21.6 mm × 126.3 mm (7.1" × 0.9" × 5.0")
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	WEEE, RoHS, REACH