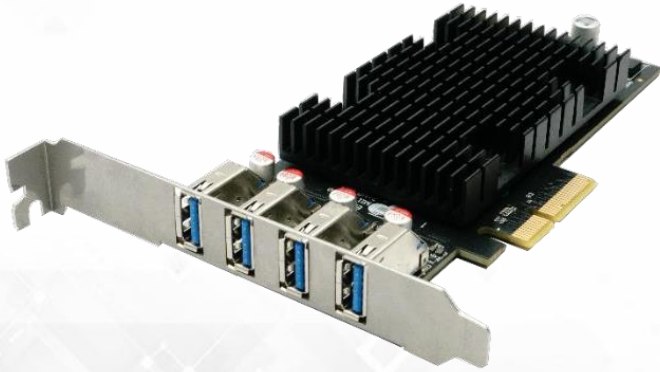# PCIe-HU3104

4-Channel USB3.1 Frame Grabber

Introduction

PCIe-HU3104 USB3.1 frame grabber supports super speed transmission mode, and is compatible with USB3.0, USB2.0, and USB1.1. It has 4 independent USB3.1 type-A interfaces and is applicable to PCIe ×4, PCIe ×8, and PCIe ×16 card slots.
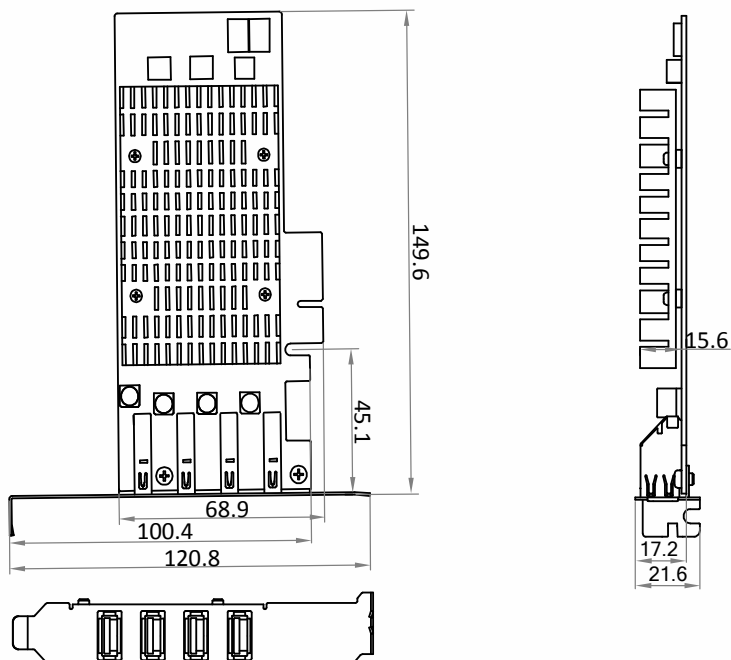
Available Model

PCIe-HU3104

Dimension

Key Feature

● Adopts 4 USB3.1 type-A interfaces.

● Max. transmission speed reaches 10 Gbps in USB3.1 mode theoretically.

● Supports super speed transmission mode, and compatible with USB3.0, USB2.0, and USB1.1.

Unit: mm

Specification

Model	PCIe-HU3104
Host interface	
Interconnect	PCI-E gen2 × 4
Delivery bandwidth	1720 MB/s (max. transmission bandwidth), 1600 MB/s (sustained transmission bandwidth)
Camera interface	
Standard	USB 3.1, Up to USB3.1 Gen-II 10 Gbps
Connector	USB3.1 type-A female receptacle
Power output	Each channel provides 4.5 W@ 5 VDC at most
Camera type supported	USB industrial camera
Camera quantity supported	4 at most
Camera connection speed	Max. 10 Gbps (The connection speed of 4 cameras is limited by the bus bandwidth. It is recommended to use USB3.0 cable less than 3 meters.)
Processing feature	
Pixel format	Mono 8/10/12, Bayer BG 8/10/10p/12/12p, YUV422Packed, YUV422_YUYV_Packed, RGB 8, BGR 8
Electrical feature	
Power consumption	Typ. 7 W (without USB power supply) Typ. 25 W (with USB power supply)
Mechanical	
Dimension	149.6 mm × 21.6 mm × 120.8 mm (5.9" × 0.9" × 4.8")
Weight	160 g (0.4 lb.)
Temperature	Working temperature: 0 °C to 60 °C (32 °F to 140 °F) Storage temperature: -20 °C to 85 °C (-4 °F to 185 °F)
Humidity	10% to 95% RH, non-condensing
Cooling mode	Natural cooling, cooling fins without fans
General	
Operating system	Windows 7/10, Linux
Certification	CE, FCC, RoHS