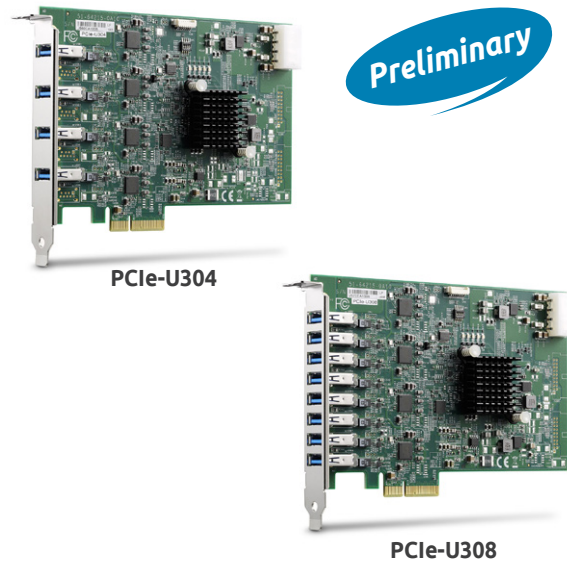


# PCIe-U30x Series

## 4/8CH PCI Express® x4 Gen3 USB3 Vision Top Performing Frame Grabbers

### Features

- PCI Express® x4 Gen3 compliant
- Host Controller, Fresco FL1100
- Compliant with USB 3.1 Gen 1 (the same as USB 3.0)
- 4 / 8 USB Type A external ports
- Up to 18/60W USB power from PCIe bus / 4-pin Molex connector
- 1500mA max. current per port
- Multiple cards, multiple cameras, in a single system
- Easy-to-use API provided for software-programmable per-port power on/off



### Introduction

ADLINK's PCIe-U30x series is a PCI Express® x4 lane Gen 3 USB3 Vision frame grabber supporting 4/8CH USB 3.1 Gen 1 ports for multiple USB3 Vision device connections with data transfer up to 5 Gb/s per port.

The PCIe-U30x supports 5V and max. 1500mA current per port for external USB3 Vision® industrial cameras. To guarantee industrial-grade high-bandwidth performance for each port, four independent Fresco FL1100 USB 3.1 Gen 1 host controllers with x4 PCI Express Gen3 interface enable every USB port to fulfill up to 5Gbps bandwidth when operating four ports simultaneously. Also supported is software-programmable per-port power on/off control for fault recovery operations.

ADLINK's PCIe-U30x brings maximum convenience to interface USB 3.0 devices for Machine Vision, Factory Automation, Quality Assurance, Logistics, Medicine, and Security and Traffic Surveillance applications.

### Software Support

- **OS Information**  
Windows® 7/10
- **Software Compatibility**  
C#/VB.NET/VC++

### Ordering Information

- **PCIe-U304**  
4CH PCI Express® X4 Gen 3 USB3 Vision frame grabber
- **PCIe-U308**  
8CH PCI Express® X4 Gen 3 USB3 Vision frame grabber

### Optional Accessories

- **CB-USB3-A/microB-3LS**  
USB3 cable 3 meters with locking screws
- **CB-USB5-A/microB-5LS**  
USB3 cable 5 meters with locking screws

## Specifications

		PCIe-U304	PCIe-U308
PCI Express Specification		4-lane PCI Express Gen 3 (8 GT/s), 1 slot	
USB Port			
USB Port Number (on Bracket)		4	8
USB Port Connector (on Bracket)		USB Type A Connector	
USB Host Controller		4 x Fresco FL1100 Host Controller	
		Compliant with USB 3.0 Specification and Intel® xHCI Specification, Revision 1.0	
Data Transfer Rate		SuperSpeed (5.0 Gbps), High Speed (480.0 Mbps) Full Speed (12.0 Mbps), Low Speed (1.5 Mbps)	
USB Power			
Output Voltage (at PSE)		5V ± 5%	
Current Limit Range (Per Port)		1700 mA ± 7%	
USB Power Management		Software-programmable per-port power on/off	
		Protecting from voltage and current overloads and shorting	
PCBA max. Power Requirement w/o USB Power Delivery		+3.3V 2A, +12V @ 0.6A	
USB Power Delivery Capacity (at PSE)	PCIe Slot only w/o 4-pin Molex Connector	+3.3V 2A, +12V @ 2.1A Max. 18W USB Power	
	PCIe Slot w/ 4-pin Molex Connector	+3.3V 2A, +12V @ max 3.4A Max. 30W USB Power	+3.3V 2A, +12V @ max 6A Max. 60W USB Power
Physical			
Dimensions		167.65 mm x 111.15 mm (6.59" x 4.37") (W x L)	
Operating Temperature		0° C to 60° C	
Humidity		5% to 90% RHNC	
Storage Temperature		-40° C to 85° C	
Safety Compliance		CE/FCC, Class A	