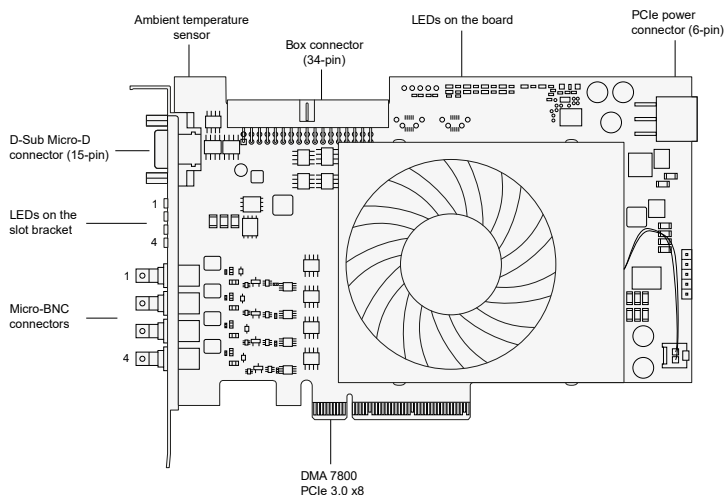# imaWorx CXP-12 Quad Frame Grabber

The new four-channel image acquisition card captures image data from the camera at up to 50 Gbps and can be used in multi-camera and multi-board systems for real-time applications with the lowest latencies. The frame grabber is characterized by high speed as well as extensive image pre-processing and trigger functions (connection of an additional TTL trigger board). It is suitable for all common CXP-12 cameras (CoaXPress 2.0) and CXP-6 cameras (CoaXPress 1.1.1).

Reduced development, configuration, integration and maintenance effort due to:

- Compatible Basler components

- Lean system design due to optimized hardware and software configuration

- Runtime SDK for all CXP-12 cameras for easy application integration

- Support of the most important software libraries and GenICam (GenTL)

- Industrial reliability

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Specifications

Ambient temperature sensor
Box connector (34-pin)
LEDs on the board
PCIe power connector (6-pin)
D-Sub Micro-D connector (15-pin)
LEDs on the slot bracket
Micro-BNC connectors
1
4
1
4
DMA 7800 PCIe 3.0 x8

BASLER imaWorx CXP-12 Quad	
Camera interface	CoaXPress 2.0
Connectors	4 x microBNC/HD-BNC
Configuration	CXP1-12; up to 4 cameras
PC bus interface	PCI Express x8 (Gen 3)
Data bandwidth	4 x 12.5 Gbps
I/O connectivity	On-board & front GPIO interface
Software API	Silicon Software SDK, .net interface
Software drivers	Windows 10/7 (64-Bit & 32-Bit), Linux 64-Bit
Compliances	CE, FCC, WEEE, RoHS, REACH
Dimensions	167.64 mm length x 111.15 mm height
Order number	2200000482

Add-Ons: Trigger Boards

BASLER Trigger Boards	
Opto-coupled Trigger 5	
I/O connectors	2 x SUB-D15 (female) socket
Inputs/outputs	8 in / 8 out mapped on two ports
Connectivity	34-pin flat cable
Supported voltage levels	4.5V to 28V (VCC)
Features	Configurable by software
Order number	2200000371
TTL-Trigger	
I/O Connectors	2 x SUB-D15 (female) socket
Inputs/outputs	8 in / 8 out mapped on two ports
Connectivity	34-pin flat cable
Supported voltage levels	LVCMOS33 (+5V TTL tolerant)
Order number	2200000373

For more information and a full model overview, please visit *www.baslerweb.com/frame-grabber/*

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