

Revision history

Version	Date	Remarks
V1.2.0	2025-Jul-22	Added Chapter Contact us on page 7 and Chapter Liability, trademarks, and copyright on page 7.
V1.1.0	2018-Nov-26	Added remark for Bitflow Cyton CXP-4 frame grabbers
V1.0.0	2018-Jun-26	Initial release

Table 1: Document history

Introduction

This document was created to identify third-party hardware components tested with Bonito PRO cameras from Allied Vision. This is not a complete list of all compatible products, only a list of products that have been tested by Allied Vision.



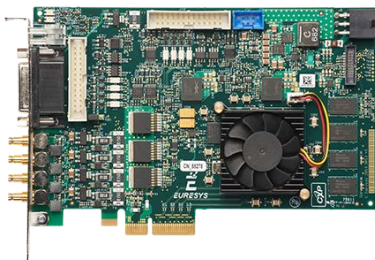
Stream packet size

Smaller stream packets may result in camera FIFO overflow. Stream packet size should be set to 8192 or greater.

Frame grabbers

The frame grabber is the most critical system component, and for maximum performance we recommend using one of the following frame grabbers.

Euresys Coaxlink Quad G3



Description

- PCI Express x4 3.0 (Gen 3)
- Power over CoaXPress (PoCXP) SafePower, 17 W of 24 VDC regulated power per connector
- Four DIN 1.0/2.3 connectors
- Four channels at 6.25 Gbps (CXP-6 support)
- EGrabber class, with C++ and .NET API
.NET assembly designed to be used with development environments compatible with .NET framework version 2.0 or higher



For more information, contact Euresys:

Euresys.com

Remarks

Multiple Regions of Interest is fully supported by the Euresys SDK and viewer. Update the frame grabber software and drivers to support one camera and four data streams.

Users should not change pixel format while sequencer control is enabled.

Active Silicon FireBird Quad CXP-6

**Features**

- PCI Express x8 (Gen 2)
- Power over CoaXPress (PoCXP)
- Four BNC connectors
- Four channels at 6.25 Gbps (CXP-6 support)
- RISC based ActiveDMA engine gives zero CPU acquisition
- Windows support (32-bit and 64-bit)



For more information, contact Active Silicon:

ActiveSilicon.com

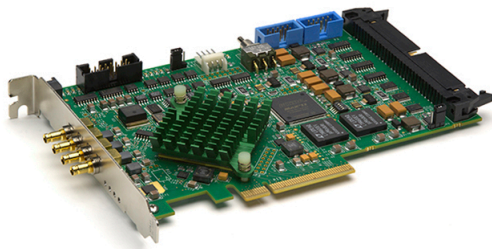
Remarks

Multiple Regions of Interest is currently not supported by the frame grabber SDK.

Users should not change pixel format while sequencer control is enabled.

Camera does not stream in 64 pixels wide ROI. You must set the width to 128 pixels or larger to start streaming.

Bitflow Cyton-CXP4



Features

- PCI Express x8 (Gen 2)
- Power over CoaXPress (PoCXP), up to 13 W per link
- Four DIN 1.0/2.3 connectors
- Four channels at 6.25 Gbps (CXP-6 support)
- Drivers for most third-party processing environments
- Plug and Play (PnP) support



For more information, contact Bitflow:

BitFlow.com

Remarks

Multiple Regions of Interest is currently not supported by the frame grabber SDK.

Users should not change pixel format while sequencer control is enabled.

Ximilon Viewer does not load XML automatically. User needs to manually load the XML from
C:\ProgramData\GenICam\xml\cache.

Teledyne DALSA Xtium-CXP PX8



Features

- PCI Express x8 (Gen 2)
- Power over CoaXPress (PoCXP)
- Four DIN 1.0/2.3 connectors
- Four channels at 6.25 Gbps (CXP-6 support)
- 1 GB frame buffer
- Spera LT SDK and Spera Vision software



For more information, contact Teledyne DALSA:

TeledyneDalsa.com

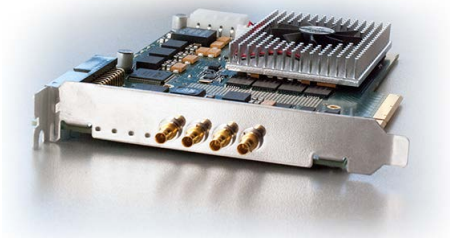
Remarks

Multiple Regions of Interest is currently not supported by the frame grabber SDK.

Users should not change pixel format while sequencer control is enabled.

Dalsa CamExpert (viewer) does not have enough buffer to handle 10-bit resolution. Camera can be configured where Height + Width < 5120.

Silicon Software microEnable 5 AQ8-CXP6D ironman



Features

- PCI Express x8 (Gen 2), DMA3600
- Power over CoaXPress (PoCXP), 13 W/24 V per cable; SafePower
- Four DIN 1.0/2.3 connectors
- Four channels at 6.25 Gbps (CXP-6 support)
- 1 GB DDR3-RAM on-board memory
- Silicon Software SDK .net interface



For more information, contact Silicon Software:

Silicon.Software

Remarks

Multiple Regions of Interest is currently not supported by the frame grabber SDK.

Users should not change pixel format while sequencer control is enabled.

Cables



Allied Vision has tested the following cables and connectors.

Order code	Description	Length
13032	CoaXPress CXP-6 interface cable 4 DIN 1.0/2.3 screw lock connector to 4 DIN 1.0/2.3 screw lock connector	5.0 meters
13315	CoaXPress CXP-6 interface cable 4 DIN 1.0/2.3 screw lock connector to 4 DIN 1.0/2.3 screw lock connector	10.0 meters
13316	CoaXPress CXP-6 interface cable 4 DIN 1.0/2.3 screw lock connector to 4 DIN 1.0/2.3 screw lock connector	20.0 meters
13034	CoaXPress CXP-6 interface cable 4 DIN 1.0/2.3 screw lock connector to 4 BNC connector	5.0 meters
13317	CoaXPress CXP-6 interface cable 4 DIN 1.0/2.3 screw lock connector to 4 BNC connector	10.0 meters
13318	CoaXPress CXP-6 interface cable 4 DIN 1.0/2.3 screw lock connector to 4 BNC connector	20.0 meters
2814	I/O cable 12-Pin Hirose female to open end	2.0 meters

Order code	Description	Length
2815	I/O cable 12-Pin Hirose female to open end	3.0 meters
2817	I/O cable 12-Pin Hirose female to open end	5.0 meters
2818	I/O cable 12-Pin Hirose female to open end	10.0 meters
K7600040	Hirose connector 12-Pin Hirose female, HR10A-10P-12S, straight	
K7600044	Hirose connector 12-Pin Hirose female, HR10A-10LP-12S, angled	
K1200267	Trigger cable 12-Pin Hirose female to BNC	2.0 meters
K1200252	Trigger cable 12-Pin Hirose female to BNC	5.0 meters
K1200240	Trigger cable 12-Pin Hirose female to open end	2.0 meters
K1200244	Trigger cable 12-Pin Hirose female to open end	10.0 meters



Contact your Allied Vision Sales team or your local Allied Vision distribution partner for information on accessories and lens recommendations:

[AlliedVision.com/en/about-us/where-we-are.html](https://www.alliedvision.com/en/about-us/where-we-are.html)

Contact us

Website, email

General

www.alliedvision.com/en/contact

info@alliedvision.com

Distribution partners

www.alliedvision.com/en/avt-locations/avt-distributors

Support

www.alliedvision.com/en/support

www.alliedvision.com/en/about-us/contact-us/technical-support-repair/-rma

Offices

Europe, Middle East, and Africa (Headquarters)

Allied Vision Technologies GmbH

Taschenweg 2a

07646 Stadtroda, Germany

T// +49 36428 677-0 (Reception)

T// +49 36428 677-230 (Sales)

F// +49 36428 677-28

North, Central, and South America, Canada

Allied Vision Technologies Canada Inc.

300 – 4621 Canada Way

Burnaby, BC V5G 4X8, Canada

T// +1 604 875 8855

USA

Allied Vision Technologies, Inc.

102 Pickering Way- Suite 502

Exton, PA 19341, USA

Toll-free// +1-877-USA-1394

T// +1 978 225 2030

Asia-Pacific

China

Allied Vision Technologies Shanghai Co Ltd.

B-510, Venture International Business Park

2679 Hechuan Road

Minhang District, Shanghai 201103

People's Republic of China

T// +86 21 64861133

Japan

Allied Vision Technologies

Yokohama Portside Bldg. 10F

8-1 Sakae-cho, Kanagawa-ku

Yokohama-shi, Kanagawa, 221-0052

T// +81 (0) 45 577 9527

Singapore

Allied Vision Technologies Asia Pte. Ltd

82 Playfair Rd, #07-01 D'Lithium

Singapore 368001

T// +65 6634 9027

Liability, trademarks, and copyright

Allied Vision has tested the product under the described conditions. The customer assumes all risk of product damage, application compromise or potential failure, and Sales Warranty loss related to deviation from the described conditions. Allied Vision's acknowledgement of such deviations in the customer's modified product or applications does not constitute advice for use. No Warranty is offered or implied by Allied Vision regarding the customer's assumed risk or legal responsibilities with such modified products or applications.

All text, pictures, and graphics are protected by copyright and other laws protecting intellectual property. All content is subject to change without notice. All trademarks, logos, and brands cited in this document are property and/or copyright material of their respective owners. Use of these trademarks, logos, and brands does not imply endorsement.

Copyright © 2025 Allied Vision Technologies GmbH. All rights reserved.