Revision history

<table>
<thead>
<tr>
<th>Version</th>
<th>Date</th>
<th>Remarks</th>
</tr>
</thead>
<tbody>
<tr>
<td>V1.0.0</td>
<td>2018-Jun-26</td>
<td>Initial release</td>
</tr>
<tr>
<td>V1.1.0</td>
<td>2018-Nov-26</td>
<td>Added remark for Bitflow Cyton CXP-4 frame grabbers</td>
</tr>
</tbody>
</table>

*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 frameworks 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

![Active Silicon FireBird Quad CXP-6](image)

## 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
- Sapera LT SDK and Sapera Vision 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.
- 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.

<table>
<thead>
<tr>
<th>Order code</th>
<th>Description</th>
<th>Length</th>
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</thead>
<tbody>
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<td>13032</td>
<td>CoaXPress CXP-6 interface cable</td>
<td>5.0 meters</td>
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<tr>
<td></td>
<td>4 DIN 1.0/2.3 screw lock connector to 4 DIN 1.0/2.3 screw lock connector</td>
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<tr>
<td>13315</td>
<td>CoaXPress CXP-6 interface cable</td>
<td>10.0 meters</td>
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<tr>
<td>2814</td>
<td>I/O cable</td>
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</tr>
<tr>
<td></td>
<td>12-Pin Hirose female to open end</td>
<td></td>
</tr>
<tr>
<td>Order code</td>
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<td>Length</td>
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<tr>
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<td>I/O cable 12-Pin Hirose female to open end</td>
<td>3.0 meters</td>
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<tr>
<td>2817</td>
<td>I/O cable 12-Pin Hirose female to open end</td>
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<tr>
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<td>I/O cable 12-Pin Hirose female to open end</td>
<td>10.0 meters</td>
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<td>K7600040</td>
<td>Hirose connector 12-Pin Hirose female, HR10A-10P-12S, straight</td>
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<td>K7600044</td>
<td>Hirose connector 12-Pin Hirose female, HR10A-10LP-12S, angled</td>
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<td>K1200240</td>
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<td>K1200244</td>
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<td>10.0 meters</td>
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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