



// ALLIED VISION

Frame Grabbers & Machine Vision Software

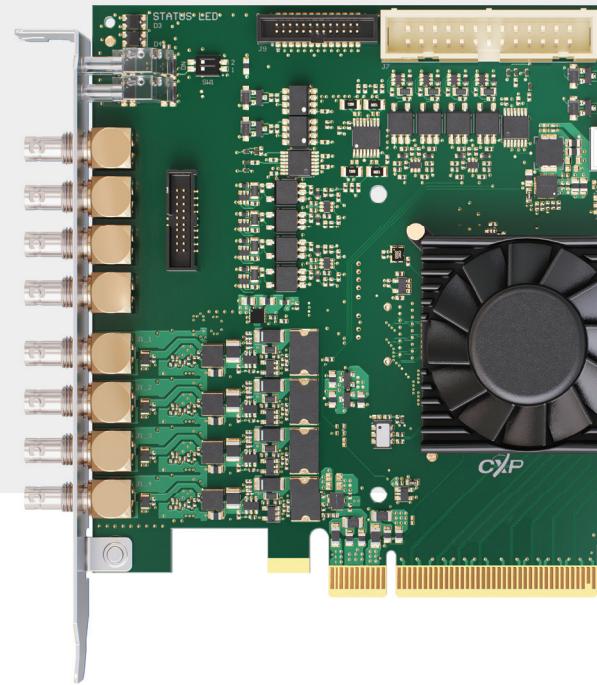


Precision. Delivered.

Machine vision expertise united under one brand.

More than components. One responsible source for your entire vision system.

Allied Vision brings together high-performance cameras, frame grabbers, IP cores, software, and services – engineered to work as one system. Not as isolated components, but as an integrated platform that reduces complexity, eliminates interface risks, and gives you a single partner accountable for performance.



ALL YOU NEED FOR VISION – FROM ONE SOURCE

Cameras

From simple inspection tasks to the most demanding high-precision applications, Allied Vision offers a comprehensive camera portfolio designed to cover every imaging requirement. Whether mono or color, visible, near-infrared or infrared, high speed or high resolution – our cameras are engineered to deliver reliable performance across a wide range of industries and use cases. All camera families follow a consistent design philosophy and are built to integrate seamlessly into the Allied Vision ecosystem.

Frame Grabbers

Frame grabbers enable reliable, high-speed image acquisition and data transfer in demanding machine vision systems. Designed for precise synchronization and low-latency performance, they ensure stable operation in both line-scan and area-scan applications. As part of the Allied Vision ecosystem, they reduce system load, simplify integration, and provide a dependable interface between cameras, processing, and peripherals – supporting scalable, high-performance inspection solutions.

Software

Machine vision software libraries and tools support efficient development, integration, and scaling of vision systems. Built on a unified architecture, they simplify workflows and enable reliable image processing across diverse applications.

Bundling & Sets

Allied Vision camera and frame grabber bundles combine perfectly matched components into pre-validated system configurations. Developed and tested as a unit, these bundles ensure seamless interoperability, reliable performance, and predictable system behavior.

By reducing integration effort and interface complexity, bundled solutions simplify system design, accelerate commissioning, and increase overall productivity – while maintaining full flexibility for future scalability.

Accessories

Approved machine vision accessories have been selected by our experts to deliver best possible image quality to your application with the greatest possible reliability. Our technicians and engineers conduct extensive tests with accessories such as lenses and interface cables in combination with our cameras. That way, we can recommend the best possible accessories and ensure maximal performance of your Allied Vision camera.

THE FUTURE OF COAXPRESS

CoaXPress
over-Fiber

// NEW



Coaxlink QSFP28

100G CoaXPress-over-Fiber frame grabber

- One QSFP28 port compliant with 100 Gbps optical modules
- Four-connection 25 Gbps CoaXPress-over-Fiber
- 12,500 MB/s camera bandwidth
- 8 GB of on-board memory
- PCIe 4.0 (Gen 4) x8 bus: 13,500 MB/s bus bandwidth
- Feature-rich set of 20 digital I/O lines
- Extensive camera control functions
- Memento Event Logging Tool



Memento
Event Logging Tool



Coaxlink QSFP+

Four-connection CoaXPress-over-Fiber frame grabber

- One QSFP+ port compliant with 40 Gbps optical modules
- 5,000 MB/s camera bandwidth
- PCIe 3.0 (Gen 3) x8 bus: 6,700 MB/s bus bandwidth
- Feature-rich set of 20 digital I/O lines
- Extensive camera control functions
- Memento Event Logging Tool
- Compatible with CustomLogic: Your own FPGA logic



Memento
Event Logging Tool



CustomLogic
Your Own FPGA Logic

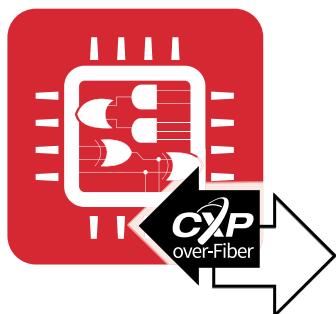


What is CoaXPress-over-Fiber ?

CoaXPress-over-Fiber is a light but significant extension of the existing CoaXPress specification to support transport over fiber optics.

CoaXPress (CXP) is the de-facto standard for high-bandwidth computer vision applications. CoaXPress 2.0, the latest version of the specification, specifies the CXP-12 speed, a 12.5 Gbps (Gigabit per second) link over a coaxial copper cable. As link aggregation is common with CoaXPress, bandwidths of 50 Gbps (12.5 x 4) are easily achievable with four CXP-12 links. The CoaXPress specification is hosted by the JIIA (Japan Industrial Imaging Association).

CoaXPress-over-Fiber has been designed as an add-on to the CoaXPress 2.0 specification. It provides a way to run the CoaXPress protocol, as it is, unmodified, over a standard Ethernet connection, including fiber optics. As such, CoaXPress-over-Fiber uses standard electronics, connectors and cables designed for Ethernet, but the protocol is CoaXPress, not Ethernet, not GigE Vision.



CoaXPress-over-Fiber Bridge IP Core

CoaXPress-over-Fiber Bridge IP Core for FPGA

- Available as CXP to nGMII (device) or nGMII to CXP (host) Bridge IP Cores
- Compatible with AMD 7 Series (and newer), AlteraCyclone/Arria 10/Agilex
- Compatible with S2I and third-party CoaXPress IP Cores
- Delivered with a working reference design (when licensed with the S2I CoaXPress IP Core) and extensive simulation testbench



Coaxlink CXP-12 to QSFP+ Converter

Four-connection CoaXPress CXP-12 to CoaXPress-over-Fiber converter

- Provides easy cable length extension using CoaXPress-over-Fiber
- Allows connecting a CXP-12 camera to a Coaxlink QSFP+ frame grabber
- Four CoaXPress CXP-12 connections on the camera side
- One QSFP+ port compliant with 40 Gbps optical modules on the frame grabber side
- 5,000 MB/s camera bandwidth
- PoCXP camera power supply

LONG CABLE SUPPORT



150 meters on multimode fibers at CXP-12 speed

40 kilometers on single mode fibers at CXP-12 speed

Coaxlink series

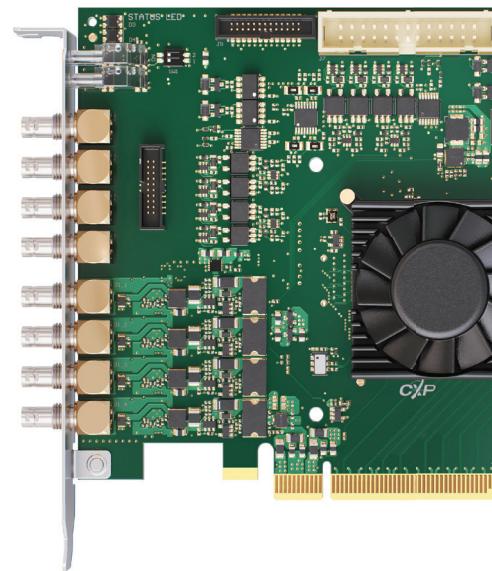
CoaXPress

Ultimate in performance with superior value CoaXPress frame grabbers

PCIe frame grabbers with up to **8 CoaXPress connections**

Feature-rich set of up to **20 digital I/O lines**  **Memento Event Logging Tool**

Extensive camera control functions



Coaxlink Quad CXP-12 Value

Four-connection CoaXPress CXP-12 frame grabber

CXP-12

- Four CoaXPress CXP-12 connections: 5,000 MB/s camera bandwidth
- PCIe 3.0 (Gen 3) x8 bus: 6,700 MB/s bus bandwidth
- Feature-rich set of 20 digital I/O lines



Coaxlink Quad CXP-12

Four-connection CoaXPress CXP-12 frame grabber

CXP-12

- Four CoaXPress CXP-12 connections: 5,000 MB/s camera bandwidth
- PCIe 3.0 (Gen 3) x8 bus: 6,700 MB/s bus bandwidth
- Feature-rich set of 20 digital I/O lines
- Compatible with CustomLogic: Your own FPGA logic



CustomLogic
Your Own FPGA Logic

Long Cable support

CoaXPress

40 METERS at CXP-12 Speed (12.5 Gbps)

72 METERS at CXP-6 Speed (6.25 Gbps)

100 METERS at CXP-3 Speed (3.125 Gbps)



Coaxlink Duo CXP-12

CXP-12

Two-connection CoaXPress CXP-12 frame grabber

- Two CoaXPress CXP-12 connections: 2,500 MB/s camera bandwidth
- PCIe 3.0 (Gen 3) x4 bus: 3,300 MB/s bus bandwidth
- Low-profile card. Delivered with standard and low-profile brackets
- Fan-cooled heatsink
- Feature-rich set of 10 digital I/O lines



Coaxlink Mono CXP-12 LH

CXP-12

One-connection CoaXPress CXP-12 frame grabber

- One CoaXPress CXP-12 connection: 1,250 MB/s camera bandwidth
- PCIe 3.0 (Gen 3) x4 bus: 3,300 MB/s bus bandwidth
- Low-profile card. Delivered with standard and low-profile brackets
- Passive (fanless) heatsink
- Feature-rich set of 10 digital I/O lines



Coaxlink Quad G3

CXP-6

PCIe 3.0 four-connection CoaXPress frame grabber

- Four CoaXPress CXP-6 connections: 2,500 MB/s camera bandwidth
- PCIe 3.0 (Gen 3) x4 bus: 3,300 MB/s bus bandwidth
- Feature-rich set of 20 digital I/O lines
- Fan-cooled or passive heatsink

On-board laser line extraction for 3D profiling

// NEW

CXP-12

Coaxlink Quad CXP-12 3D-LLE

Four-connection CoaXPress CXP-12 frame grabber with on-board laser line extraction for 3D profiling



- Laser line extraction with zero host CPU usage
- Single and Dual Laser Line Extraction into a depth map
- Real-time generation of 16-bit 3D height maps
- Choice of algorithms: Maximum, Peak, Center of Gravity (COG)
- Precision: up to 1/256 pixel (with Peak and COG algorithms)
- Performance: 76,000 profiles/s from 1024 x 128 images. 152,000 profiles/s from 1024 x 64 images
- Four CoaXPress CXP-12 connections: 5,000 MB/s camera bandwidth

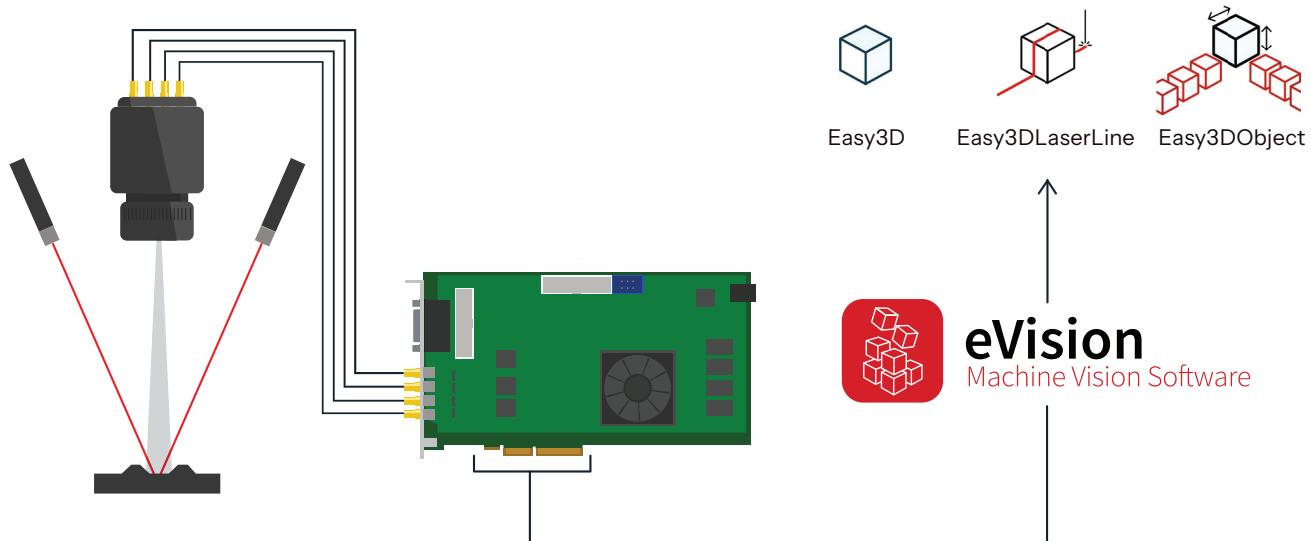


CXP-6

Coaxlink Quad 3D-LLE

Quad CXP-6 frame grabber with on-board laser line extraction for 3D profiling

- Laser line extraction with zero host CPU usage
- Single and Dual Laser Line Extraction into a depth map
- Real-time generation of 16-bit 3D height maps
- Choice of algorithms: Maximum, Peak, Center of Gravity (COG)
- Precision: up to 1/256 pixel (with Peak and COG algorithms)
- Performance: 38,000 profiles/s from 1024 x 128 images. 76,000 profiles/s from 1024 x 64 images



CoaXPress Data Forwarding



Coaxlink Quad CXP-12 DF

CXP-12

Four-connection CoaXPress CXP-12 frame grabber with Data Forwarding

- Four CoaXPress CXP-12 connections and four Data Forwarding outputs: 5,000 MB/s camera bandwidth
- PCIe 3.0 (Gen 3) x8 bus: 6,700 MB/s bus bandwidth
- Feature-rich set of 10 digital I/O lines



Coaxlink Quad G3 DF

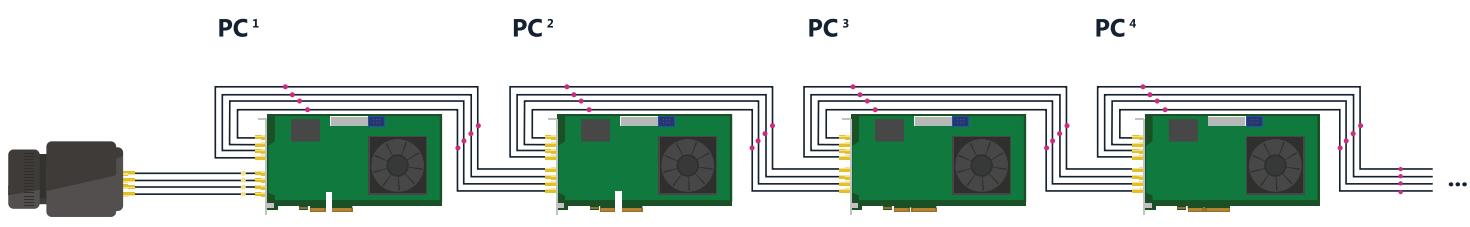
CXP-6

PCIe 3.0 four-connection CoaXPress frame grabber with data forwarding

- Four CoaXPress CXP-6 connections and four Data Forwarding outputs: 2,500 MB/s camera bandwidth
- PCIe 3.0 (Gen 3) x4 bus: 3,300 MB/s bus bandwidth
- Feature-rich set of 10 digital I/O lines

COAXPRESS DATA FORWARDING

Allows to distribute the image processing workload among several host PCs



The data forwarding capability allows image data from one camera to be transferred to multiple frame grabbers on different Host PCs to distribute the image processing load. Data can be distributed between up to 10 synchronized daisy chained PCs. PCs can be close to each other or up to 40 meters away.

Multi-camera applications



// PRELIMINARY

Coaxlink Octo CXP-12

Eight-connection CoaXPress CXP-12 frame grabber

CXP-12

- Eight CoaXPress CXP-12 connections: 10,000 MB/s camera bandwidth
- 8 GB of on-board memory
- PCIe 4.0 (Gen 4) x8 bus: 13,500 MB/s bus bandwidth
- Feature-rich set of 10 digital I/O lines
- Delivered with PC3304 HD26F I/O Adapter Cable



Coaxlink Octo

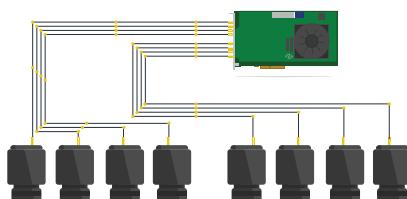
PCIe 3.0 eight-connection CoaXPress frame grabber

CXP-6

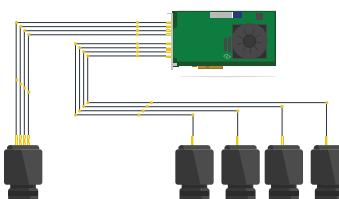
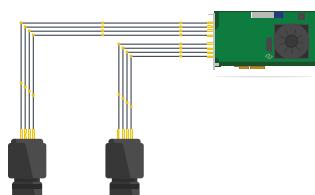
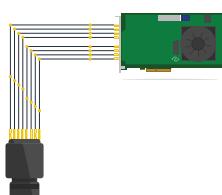
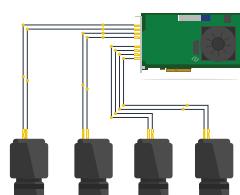
- Eight CoaXPress CXP-6 connections: 5,000 MB/s camera bandwidth
- Connect up to eight CoaXPress cameras to one card
- PCIe 3.0 (Gen 3) x8 bus: 6,700 MB/s bus bandwidth
- Feature-rich set of 10 digital I/O lines
- Delivered with PC3304 HD26F I/O Adapter Cable
- Compatible with CustomLogic: Your own FPGA logic



CustomLogic
Your Own FPGA Logic



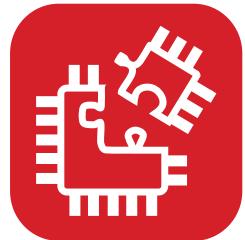
Eight 1-connection cameras

One 4-connection plus
four 1-connection camerasTwo 4-connection
camerasOne 8-connection
cameraFour 2-connection
cameras

Features

CustomLogic

Your own FPGA logic



FPGA design kit enabling the design and upload of FPGA code to a Coaxlink board

Supported by Xilinx Vivado development tool Memento Event Logging messaging

Compatible with Coaxlink Octo, Coaxlink Quad CXP-12 and Coaxlink QSFP+:
70% of Xilinx Kintex Ultrascale XCKU035 FPGA resources available

Access to CoaXPress camera pixel stream, on-board DDR4 memory and PCIe Gen3 connectivity

What is Custom Logic ?

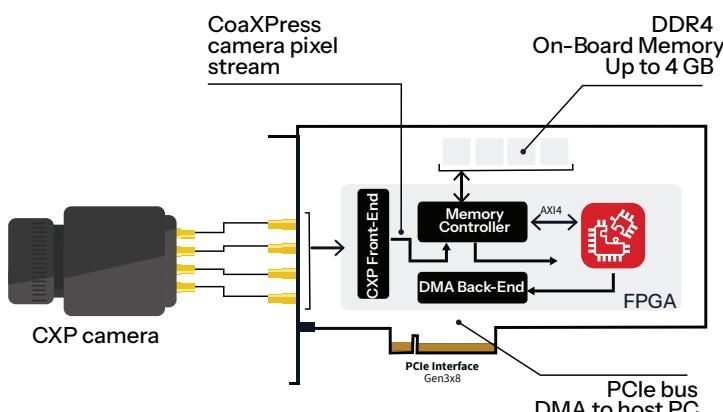
CustomLogic is an FPGA design kit enabling the design and upload of FPGA code to a Coaxlink board. It is compatible with the Coaxlink Octo, Coaxlink Quad CXP-12 and Coaxlink QSFP+. Typ. up to 70% of their Xilinx Kintex Ultrascale XCKU035 FPGA Logic is available. The design phase uses the Xilinx Vivado development tools (Available free of charge from AMD-Xilinx).

| Resource | Total | Available to the user (%) |
|-------------|---------|---------------------------|
| LUT | 203,128 | 76 |
| FF | 406,256 | 84 |
| BRAM (36KB) | 540 | 65 |
| DSP | 1,700 | 96 |

e.g. Resources available to the user of a Coaxlink Quad CXP-12 (1-camera, custom logic) firmware variant. Figures may vary for different firmware variants.

Data pixel Stream Interface

The Data Stream interface is based on the AMBA AXI4-Stream protocol. On the source side, this interface provides the user logic with images acquired from a CoaXPress Device (for example a CoaXPress camera). On the destination side, the Data Stream interface transfers the resulting images/data generated by the user logic to the PCI Express DMA Back-End channel.



DDRA4 Memory interface

The DDR4 Memory interface is based on the AMBA AXI4 protocol.

Memento Event interface

The Memento Event interface allows the User Logic to send timestamped events to the Memento Logging tool with a precision of 1 µs. Along with the timestamped event, two 32-bit arguments are reported in Memento.

Control/Status interface

The Control/Status interface allows the user to read and write registers inside the user logic via the Coaxlink Driver API.

Reference design

The Coaxlink CustomLogic SDK is delivered with a reference design intended to be used as a template. The reference design exposes all interfaces available to the user. It is a AMD Vivado project with the following functional block diagram:

Debugging

Using CustomLogic does not require any additional hardware. The 3613 JTAG Adapter AMD for Coaxlink (available free of charge from AMD) allows connecting the AMD programmer to the Coaxlink FPGA for debugging purposes.

Grablink series

Camera Link

Ultimate in performance with superior value Camera Link frame grabbers

PCIe frame grabbers for Camera Link 80-bit, Full, Medium, Base and Lite configuration cameras

Directly compatible with hundreds of Camera Link cameras available on the market

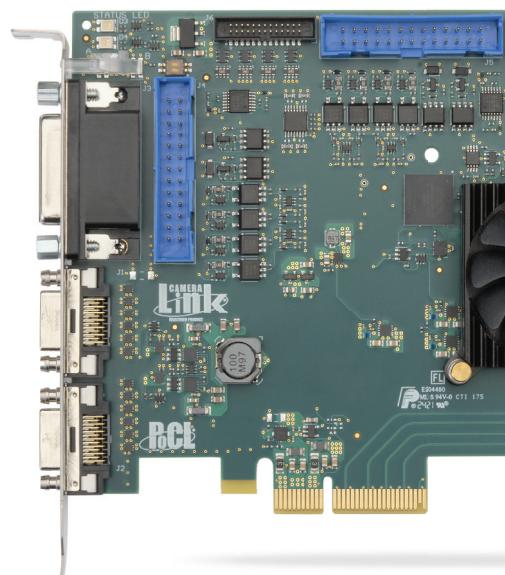


ECCO+ / ECCO: Extended Camera Link Cable Operation

Feature-rich set of digital IO lines



Memento Event Logging Tool



Grablink Duo

Frame grabber for one full- or two base-configuration Camera Link cameras

- For two independent Camera Link Base configuration cameras
- For one Camera Link Base, Medium, Full, 72-bit or 80-bit camera
- Directly compatible with hundreds of Camera Link cameras available on the market
- PoCL, Power over Camera Link
- ECCO: Extended Camera Link cable length
- PCIe Gen 2 x4 bus
- Feature-rich set of 20 digital IO lines
- Support of GenCP (Generic Control Protocol)
- Compatible with eGrabber Driver & Memento Event Logging Tool



Grablink Full XR

Frame grabber for one full-configuration Camera Link camera with support for extra long cables

- For one Camera Link 80-bit, 72-bit, Full, Medium or Base configuration camera
- Directly compatible with hundreds of Camera Link cameras available on the market
- Supports PoCL, Power over Camera Link
- ECCO+: Double Camera Link maximum cable length
- PoCL SafePower compliant
- PCIe x4 bus: 850 MB/s sustained delivery bandwidth
- Feature-rich set of 10 digital IO lines



Grablink Full

Frame grabber for one full-configuration Camera Link camera

- For one Camera Link 80-bit, 72-bit, Full, Medium or Base configuration camera
- Directly compatible with hundreds of Camera Link cameras available on the market
- ECCO: Extended Camera Link cable length
- PCIe x4 bus: 850 MB/s sustained delivery bandwidth
- Feature-rich set of 10 digital IO lines



Grablink DualBase

Frame grabber for two base-configuration Camera Link cameras

- For two Camera Link Base or Lite configuration cameras
- Directly compatible with hundreds of Camera Link cameras available on the market
- ECCO: Extended Camera Link cable length
- PCIe x4 bus: 850 MB/s sustained delivery bandwidth
- Feature-rich set of 20 digital IO lines



Grablink Base

Frame grabber for one base-configuration Camera Link camera

- For one Camera Link Base or Lite configuration camera
- Directly compatible with hundreds of Camera Link cameras available on the market
- Supports PoCL, Power over Camera Link
- ECCO: Extended Camera Link cable length
- PCIe x1 bus: 200 MB/s sustained delivery bandwidth
- Feature-rich set of 10 digital IO lines



Picolo HD 3G DVI

3G 60FPS DVI high-definition 1080p video capture card

- Video and audio capture from DVI, Y/Pr/Pb, S-Video or CVBS video sources
- HD 1920x1080p50/60
- SD 525i60 and 625i50
- 16 general purpose IO lines
- PCIe (2.0) Gen2 x1 bus

Machine Vision Software **eVision**

Image analysis libraries and software tools

Hardware-independent image processing and analysis libraries for machine vision inspection applications

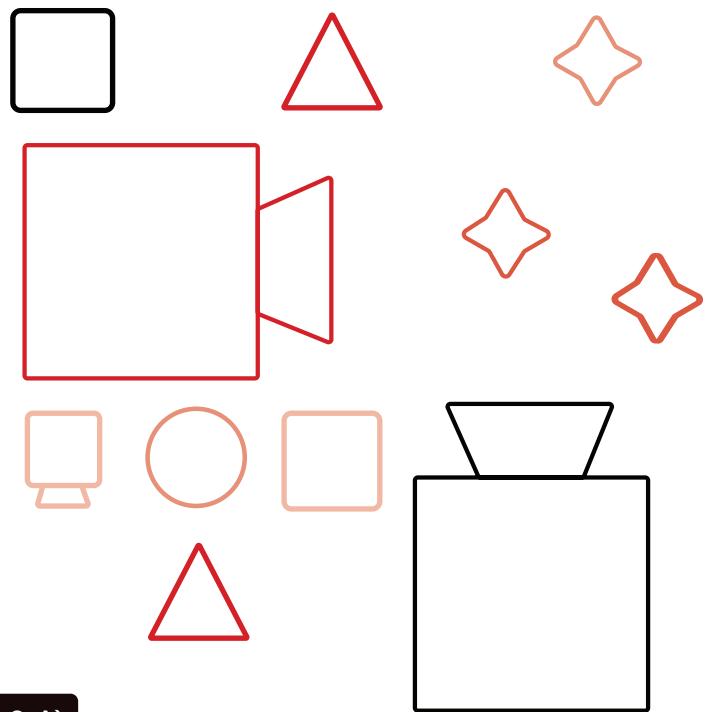
Compatible with any image source, including frame grabbers, GigE Vision and USB3 Vision cameras

Support for the latest technologies such as Deep Learning and 3D

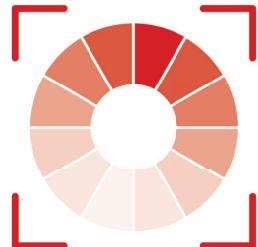
Accurate sub-pixel measurement and calibration

64-bit libraries for Windows (x86-64) and Linux (x86-64 and ARMv8-A)

Supporting C++, Python and .NET framework (C#, VB.NET, C++/CLI) Easy to learn and use Robust, flexible and powerful



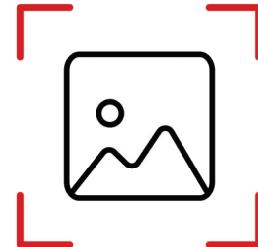
// GENERAL PURPOSE



EasyColor

Color image analysis library

- Fast conversion of images between 11 color spaces
- Color segmentation: to identify objects based on their color
- Color verification: to verify the color of objects

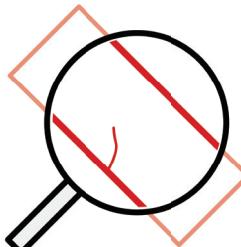


EasyImage

Image processing library

- Set of optimized fundamental image processing and analysis functions
- Convolution and morphology
- Geometric transformations
- Histogram computation and analysis
- Noise estimation and reduction
- HDR (High Dynamic Range) image fusion

// APPLICATIVE PROCESSING



EasySpotDetector

Advanced surface inspection for battery, paper, film or glass industries

- Detection of faint defects and contamination, even in noisy images
- Fast processing for in-line inspection
- Compatible with acquisition from line-scan and 2D cameras

- Optional pre-alignment of the region of interest on part's edges
- Optional Deep Learning classification of the defects
- Simple and comprehensive C++, C# and Python API

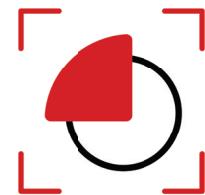


// INSPECTION WITH DEEP LEARNING

EasyClassify

Deep Learning classification library

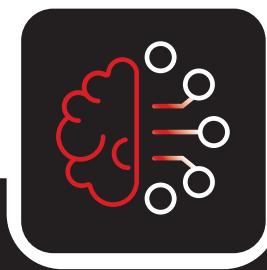
- Includes functions for classifier training and image classification
- Detects defective products
- Sorts products into various classes
- Supports data augmentation



EasySegment

Deep Learning segmentation library

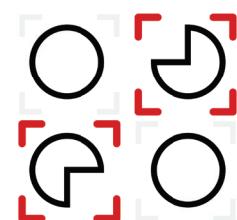
- Unsupervised mode: train only with “good” images to detect and segment anomalies and defects in new images
- Supervised mode: learn a model of the defects for better segmentation and detection precision
- Works with any image resolution
- Supports data augmentation and masks



Deep Learning Studio

Deep Learning training and evaluation application

- Ease the evaluation of Open eVision’s Deep Learning tools
- Dataset creation and image annotation
- Create and configure dataset splits to decide how your images are used
- Manage the data augmentation transformations
- Train your tools in succession thanks to the training queue
- Validation and analysis of the results of the trained tools
- Available on Windows and Linux
- Free of charge

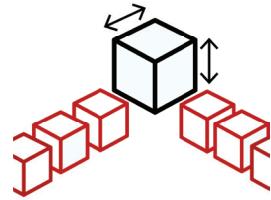
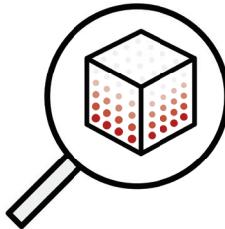


EasyLocate

Deep Learning localization and classification library

- Localization and identification of objects/products/defects
- Counting of objects
- Axis Aligned Bounding Boxes
- Interest Point
- Supports data augmentation and masks

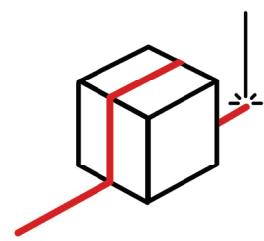
- Compatible with CPU and GPU processing
- Deep Learning Studio for dataset creation, training and evaluation
- Available as part of the Deep Learning Bundle
- Also as cost effective inference-only license



Easy3D Match

3D alignment and inspection library

- Align a scanned 3D object with another scan or with a reference mesh
- Compute the local distances between 3D scans and a golden sample or reference mesh
- Detect anomalies such as misplaced features, geometric distortions, gaps, bumps,..
- Compatible with all 3D sensors that produce point clouds, depth maps or height maps



Easy3DLaserLine

3D laser line extraction and calibration library

- Single and Dual Laser Line Extraction into a depth map
- Convenient and powerful 3D calibration for laser triangulation setups
- Compatible with the Coaxlink Quad 3D-LLE and Coaxlink Quad CXP-12 3D-LLE frame grabbers



Easy3D

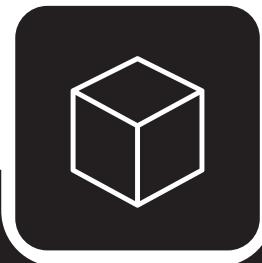
3D image processing library

- Point cloud processing and management
- Flexible ZMap generation
- 3D processing functions for cropping, decimating, fitting and aligning point clouds
- Compatible with many 3D sensors
- Interactive 3D display with the 3D Viewer

Easy3DObject

3D object extraction and measurement library

- Detection of 3D objects in point clouds or ZMaps
- Metric detection criteria
- Compatible with arbitrary regions
- Computation of precise 3D measurements, like size, orientation, area, volume...
- Automatic extraction of object local support plane
- 2D and 3D graphical display of the results
- Full-featured interactive demo application

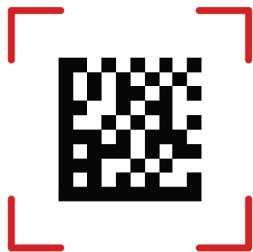


3D Studio

3D evaluation and prototyping application

- Ease the configuration and the setup of a laser triangulation scanner using the Coaxlink Quad 3D-LLE or the Coaxlink Quad CXP-12 3D-LLE
- Simplify the calibration procedure
- Display interactive Depth Maps, 3D Point Clouds and Zmaps
- Free of charge

// TEXT AND CODE READING



EasyMatrixCode

2D Data Matrix code reading library

- Automatic detection of the code in the image
- Decodes ECC200, ECC000, ECC050, ECC080, ECC100 and ECC140 codes
- Computes quality indicators as per ANSI/AIM, ISO/IEC 15415, ISO/IEC TR 29158 and SEMI T10-0701 standards
- Very fast operation
- Impressive robustness to noise, blur and distortion
- Support of GS1 Data Matrix codes
- Efficient reading of codes in grid layout
- Multiple codes reading



EasyBarCode

Bar code reading library

- Automatic detection of the barcode in the image
- Automatic detection of the symbology
- Very fast and robust
- Full support of numerous symbologies
- Mail Barcode Reader
- Multiple codes reading
- Grading according to ISO/IEC 15416

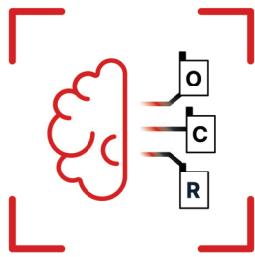


EasyQRCode

QR code reading library

- Automatic detection of the code in the image
- Decodes model 1 and model 2 QR codes, all versions, all levels
- Decodes Micro QR codes
- Very fast operation
- Impressive robustness to noise, blur and distortion
- Error detection and correction
- Rotation and flipping invariant
- Print quality verification with grading standards
- Multiple codes reading

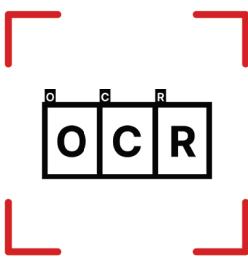
// TEXT AND CODE READING



EasyDeepOCR

Deep learning based Optical Character
Recognition library

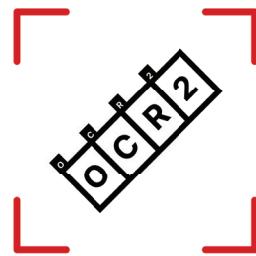
- Tool designed for industrial markings, like serial numbers, expiry dates, part numbers...
- Very easy to use, simple API and no training required
- Optional topology definition to filter out non-relevant texts
- Focus on text reading capability without compromising speed
- Optional optimization of the processing pipeline with a few examples
- Runs on CPU and GPU, Intel and ARM platforms



EasyOCR

Optical character recognition library

- Teachable character recognition for the most reliable and fastest recognition
- Invariant to character size
- Tolerant to poorly printed, broken characters
- “Connected” characters separation
- Pre-defined fonts included

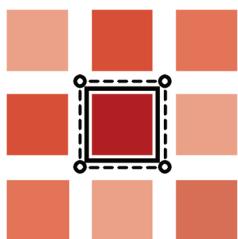


EasyOCR2

Industrial optical character recognition library

- Optimized for reading short texts such as part numbers, serial numbers, expiry dates, manufacturing dates, lot codes, ...
- Innovative segmentation algorithm to automatically locate texts in the image based on expected character size and text topology
- Full support for text rotation (360 degrees)
- Able to read severely degraded characters: support for character fragmentation and uneven lighting
- Learning of character database from one or multiple TrueType Font or by your own sample images
- Assisted learning of character database from sample images
- Character database management: adding characters; saving, loading database
- Pre-trained classifier powered by deep learning technologies suitable for industrial text marking fonts

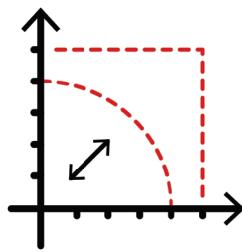
// MATCHING AND MEASUREMENT



EasyObject

Blob analysis library

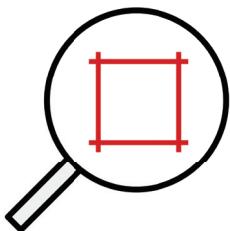
- Image segmentation based on the gray scale of connected objects
- Object labeling
- Geometric feature extraction
- Flexible Masks
- High performance, especially for large images and images with numerous objects



EasyGauge

Sub-pixel measurement & dimension control library

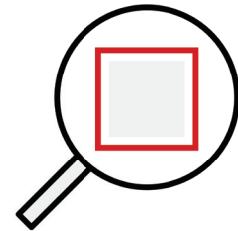
- Sub-pixel point location and edge fitting
- Highly accurate and robust
- Advanced and automatic calibration
- Multiple gauge models
- Measurement of position, orientation, size, curvature, distance
- Interaction through graphical interface



EasyFind

Geometric pattern matching library

- Pattern matching using a feature point technology
- Learn from image or DXF vector model
- Fully automatic, fast and robust
- Invariant to rotation and scaling
- High tolerance to pattern degradation
- Support of “don’t care” areas



EasyMatch

Pattern matching library

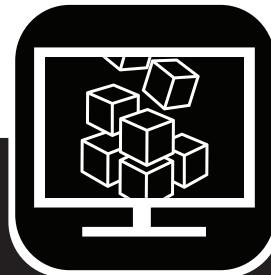
- Pattern matching using normalized correlation
- Sub-pixel accuracy
- Rotation and scaling support
- Detection of multiple pattern occurrences
- Support of gray scale and color images
- Support of “don’t care” areas



New Open eVision Studio

Evaluation and prototyping application

- Create complex processing sequences
- Full support of regions of interest and flexible regions
- Comprehensive configuration panels for Open eVision tools
- C++, C# and Python code generation
- Tool and sample catalog
- Connection to live image sources using eGrabber Studio
- Compatible with Windows (10 min), Linux, Intel and ARM architectures
- Free of charge



Open eVision Studio

Evaluation and prototyping application

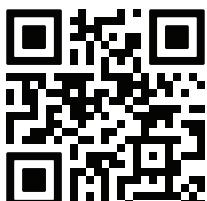
- Intuitive graphical user interface
- Load your own images into Open eVision Studio and immediately see the result of any Open eVision function
- Generate C++, C# and Visual Basic code
- Free of charge



Allied Vision Technologies GmbH
Taschenweg 2a
07646 Stadtroda, Germany
T // +49 36428 677-230

Allied Vision Technologies Inc.
102 Pickering Way
Suite 502
Exton, PA 19341, USA
Toll-free // +1-877-USA-1394
T // +1 978 225 2030

M // sales.americas@alliedvision.com



Rev01/2026

© Allied Vision Technologies GmbH, Germany
2026 Allied Vision Technologies
assumes no liability for errors or omissions.

 A **TKH** TECHNOLOGY COMPANY 