Allied Vision

Precision. Delivered.







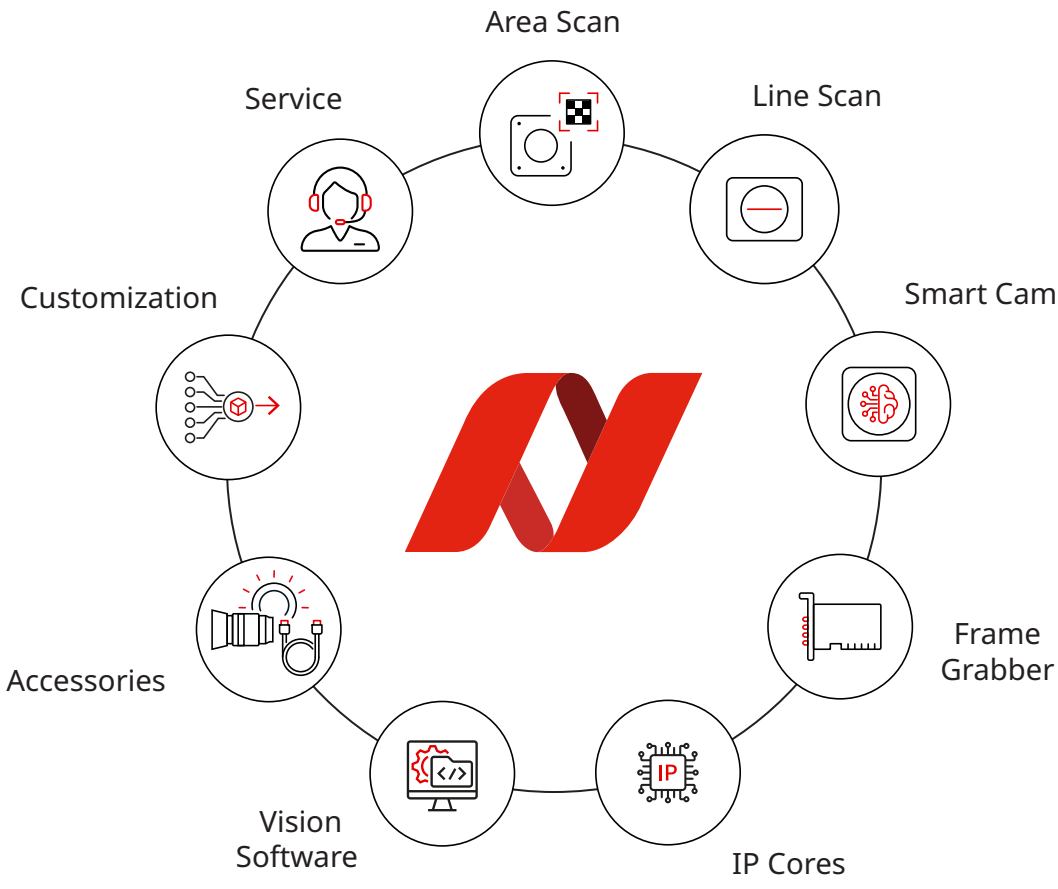


// ALLIED VISION PORTFOLIO

Frame Grabber Technologies

// MORE THAN JUST CAMERAS

One Partner. One Ecosystem



At Allied Vision, we bring together a broad range of machine vision technologies in one integrated ecosystem – cameras, frame grabbers, IP cores, software, lenses, lighting, accessories, and customization. Our technologies are designed to work together, helping you simplify sourcing, reduce integration effort, and build reliable vision systems faster. With expertise and support across the application, you benefit from compatible technologies and one trusted partner.

With Allied Vision, you get the technologies you need for your machine vision system – from one source and designed to work together.
One Partner. One Ecosystem. Designed to work together.

Bundled for your Application

Combine compatible Allied Vision technologies to meet your application requirements. From cameras and frame grabbers to lenses, lighting, and software – all from one trusted partner.

Our Machine Vision Ecosystem

Area Scan & Line Scan Cameras

Our broad portfolio of area scan and line scan cameras covers a wide range of demanding machine vision applications. From continuous inspection of moving materials to specialized UV, SWIR and polarization imaging, our cameras reveal critical details across and beyond the visible spectrum. Designed for high image quality, industrial reliability and easy integration, they provide the right imaging technology for a wide range of applications.

Smart Cameras

Our open smart cameras combine high-quality image acquisition with powerful onboard processing in one industrial device. Designed for maximum flexibility, they enable you to develop your own algorithms, integrate third-party software, and adapt the system to your application.

IP Cores

Our IP cores help reduce development effort when building your own vision components. Supporting GigE Vision, USB3 Vision and CoaXPress transport layers as well as SubLVDS and MIPI-CSI2 sensor interfaces, our IP cores combine high performance with a compact design. Designed to reduce development time and increase design quality, they provide proven technology even for complex applications.

Frame Grabbers

Our high-performance CoaXPress and Camera Link frame grabbers enable high-speed image acquisition and reliable data transfer for data-intensive imaging tasks. With CoaXPress-over-Fiber, high-speed data transmission can be extended over fiber-optic cables and longer distances.

Software

Our eVision software provides powerful image processing and analysis capabilities for inspection and identification applications. Our eVision portfolio includes tools for testing, evaluation, prototyping, and development, with functional libraries available individually or in combined bundles. Designed for flexible integration, eVision helps reduce development effort and efficiently turn image data into actionable results.

Lenses, Lighting & Accessories

A carefully selected portfolio of lenses, lighting and accessories complements our cameras and helps ensure reliable imaging performance. Our components are chosen and tested for compatibility, image quality and industrial performance. Designed to work with our camera portfolio, they help simplify integration, ensure consistent imaging results and reduce engineering effort.

Customization

Our customization capabilities help adapt machine vision technology to your specific application and integration requirements. From development and volume production to support, repair and redesign, we support you throughout the entire product lifecycle. Our engineering expertise helps ensure seamless integration into new or existing production systems while reducing development effort and complexity.

// SELECTED FRAME GRABBER PORTFOLIO AT A GLANCE

Features comparison

Visit our website at **www.alliedvision.com** and compare the frame grabbers of your choice!

	Frame Grabber Model	Camera Interface	Camera Connectors	Max. Camera Bandwidth [MB/s]	Onboard Memory [MB]	PC Interface [PCIe]	PoCXP	Custom Logic	Data Forwar-ding	Laser Line Extraction	Passive heatsink
CoaXPress	Coaxlink Quad G3	4x CXP-6	4x DIN 1.0/2.3	2,500	1024	Gen3 x4	✓	-	-	-	-
	Coaxlink Quad G3 LH	4x CXP-6	4x DIN 1.0/2.3	2,500	1024	Gen3 x4	✓	-	-	-	✓
	Coaxlink Quad 3D-LLE	4x CXP-6	4x DIN 1.0/2.3	2,500	1024	Gen2 x4	✓	-	-	✓	-
	Coaxlink Octo	8x CXP-6	8x DIN 1.0/2.3	5,000	2048	Gen3 x8	✓	✓	-	-	-
	Coaxlink Mono CXP-12 LH	1x CXP-12	1x HD-BNC	1,250	512	Gen3 x4	✓	-	-	-	✓
	Coaxlink Duo CXP-12	2x CXP-12	2x HD-BNC	2,500	1024	Gen3 x4	✓	-	-	-	-
	Coaxlink Quad CXP-12 Value	4x CXP-12	4x HD-BNC	5,000	4096	Gen3 x8	✓	-	-	-	-
	Coaxlink Quad CXP-12	4x CXP-12	4x HD-BNC	5,000	4096	Gen3 x8	✓	✓	-	-	-
	Coaxlink Quad CXP-12 DF	4x CXP-12	4x HD-BNC	5,000	4096	Gen3 x8	✓	-	✓	-	-
	Coaxlink Quad CXP-12 3D-LLE	4x CXP-12	4x HD-BNC	5,000	4096	Gen3 x8	✓	-	-	✓	-
	Coaxlink Octo CXP-12	8x CXP-12	8x HD-BNC	10,000	8192	Gen4 x8	✓	-	-	-	-
	Coaxlink QSFP+	4x CoF-10	1x QSFP+	5,000	4096	Gen3 x8	-	✓	-	-	-
	Coaxlink QSFP28	4x CoF-25	1x QSFP28	12,500	8192	Gen4 x8	-	-	-	-	-
	Coaxlink CXP-12 to QSFP+ Converter	4x CXP-12	4x HD-BNC	5,000	-	-	✓	-	-	-	-

	Frame Grabber Model	Camera Interface	Camera Connectors	Max. Camera Bandwidth [MB/s]	Onboard Memory [MB]	PC Interface [PCIe]	PoCL	Multi-Cam	eGrab-ber	ECCO	ECCO+
Camera Link	Grablink Base	1x Base	1x SDR-26	255	64	Gen1 x1	✓	✓	-	✓	-
	Grablink DualBase	2x Base	2x SDR-26	510	128	Gen1 x4	✓	✓	-	✓	-
	Grablink Full	1x Full	2x SDR-26	850	128	Gen1 x4	-	✓	-	✓	-
	Grablink Full XR	1x Full	2x SDR-26	850	128	Gen1 x4	✓	✓	-	-	✓
	Grablink Duo	1x Full / 2x Base	2x SDR-26	850	512	Gen2 x4	✓	-	✓	✓	-

	Accessory Model	Description
Accessories	C2C SyncBus Cable	Card-to-Card synchronization cable for 2 cards located in the same PC
	C2C Quad SyncBus Cable	Card-to-Card synchronization cable for 4 cards located in the same PC
	C2C-Link Ribbon Cable	Card-to-Card synchronization cable for 4 cards located in the same PC
	InterPC C2C-Link Adapter	Adapter to extend Card-to-Card synchronization between PCs
	DB25F I/O Adapter Cable	I/O cable with PC bracket
	HD26F I/O Adapter Cable	I/O cable with PC bracket
	HD26F I/O Extension Module - Standard I/O Set	General purpose I/O extension module
	HD26F I/O Extension Module - Fast I/O	General purpose I/O extension module
	JTAG Adapter Xilinx for Coaxlink	JTAG adapter for CustomLogic debug
	AC-DC Power Adapter, 24V, 160W	Power adapter for Coaxlink CXP-12 to QSFP+ Converter

Frame grabbers remain the most reliable foundation for demanding machine vision: they deliver sustained throughput, deterministic acquisition, and precise hardware control of triggers, strobes, encoders, and multi-camera synchronization. With onboard buffering, high-performance DMA and PCIe connectivity, they keep image streams stable even when host load or bandwidth temporarily fluctuates - so processing pipelines stay predictable and loss-free.

Our portfolio covers the full range of high-end interfaces. For CoaXPress, choose from CXP-6 and CXP-12 models up to 8 connections, with options such as large onboard memory and advanced synchronization across cards and PCs. For simplified cabling and long distances, CoaXPress-over-Fiber brings the same acquisition behavior over standard optical components, reducing cable congestion while improving immunity to electrical noise.

For Camera Link systems, we offer solutions from Base through Medium and Full, up to Deca-class bandwidth, with robust I/O and proven deployment in industrial environments. Ideal when you need predictable integration and long lifecycle stability.

Key capabilities across the range include line-scan and area-scan triggering, encoder-based motion synchronization, hardware scatter-gather DMA, and, on selected models, FPGA acceleration and CustomLogic for application-specific processing and instrumentation.

To complete the system, eGrabber provides a consistent software stack across interfaces: C++, C# and Python APIs, GenICam/GenTL compatibility, and tools such as eGrabber Studio for evaluation, Recorder for high-speed recording and export, Playlink for replay as a virtual camera, and Memento for precise, low-overhead event logging and profiling on a unified timeline.

Coaxlink series CoaXPress-over-Fiber



CoaXPress-over-Fiber is a lightweight but significant extension of the existing CoaXPress specification to support transport over fiber optics. It provides a way to run the CoaXPress protocol, unmodified, over standard Ethernet components such as optical transceivers (QSFP+ and QSFP28) and fiber cables (single-mode and multimode). Using fiber optics brings to CoaXPress extended cable lengths (up to 400 m on multimode fiber and up to 80 km on single-mode fiber), immunity to electrical noise, and less cable congestion (a single 3 mm fiber cable instead of four 6 mm coaxial cables).



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



Coaxlink QSFP+

40G CoaXPress-over-Fiber frame grabber

// One QSFP+ port compliant with 40 Gbps optical modules
// Four-connection 10 Gbps CoaXPress-over-Fiber
// 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



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

CoaXPress over-Fiber

Frame Grabber Model	Camera Interface	Camera Connectors	Max. Camera Bandwidth [MB/s]	Onboard Memory [MB]	PC Interface [PCIe]	PoCXP	Custom Logic
Coaxlink QSFP+	4x CoF-10	1x QSFP+	5,000	4096	Gen3 x8	-	✓
Coaxlink QSFP28	4x CoF-25	1x QSFP28	12,500	8192	Gen4 x8	-	-
Coaxlink CXP-12 to QSFP+ Converter	4x CXP-12	4x HD-BNC	5,000	-	-	✓	-



Coaxlink series CoaXPress

// 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



CXP-12

Coaxlink Quad CXP-12 Value

Four-connection CoaXPress CXP-12 frame grabber

// 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



CXP-12

Coaxlink Quad CXP-12

Four-connection CoaXPress CXP-12 frame grabber

// 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



CXP-12

Coaxlink Duo 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



CXP-12

Coaxlink Mono CXP-12 LH

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



CXP-6

Coaxlink Quad G3

Four-connection CoaXPress CXP-6 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 (LH version)

Long Cable support

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)

CoaXPress

Frame Grabber Model	Camera Interface	Camera Connectors	Max. Camera Bandwidth [MB/s]	Onboard Memory [MB]	PC Interface [PCIe]	PoCXP	Custom Logic
Coaxlink Quad G3	4x CXP-6	4x DIN 1.0/2.3	2,500	1024	Gen3 x4	✓	-
Coaxlink Quad G3 LH	4x CXP-6	4x DIN 1.0/2.3	2,500	1024	Gen3 x4	✓	-
Coaxlink Mono CXP-12 LH	1x CXP-12	1x HD-BNC	1,250	512	Gen3 x4	✓	-
Coaxlink Duo CXP-12	2x CXP-12	2x HD-BNC	2,500	1024	Gen3 x4	✓	-
Coaxlink Quad CXP-12 Value	4x CXP-12	4x HD-BNC	5,000	4096	Gen3 x8	✓	-
Coaxlink Quad CXP-12	4x CXP-12	4x HD-BNC	5,000	4096	Gen3 x8	✓	✓

Coaxlink 3D-LLE & DF CoaXPress



// On-board laser line extraction for 3D profiling



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

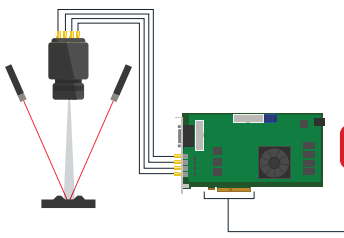


CXP-6

Coaxlink Quad 3D-LLE

Four-connection CoaXPress 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

// CoaXPress Data Forwarding

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-chainedPCs. PCs can be close to each other or up to 40 meters away.



CXP-12

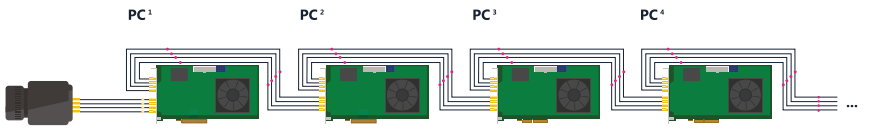
Coaxlink Quad CXP-12 DF

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

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-chainedPCs. PCs can be close to each other or up to 40 meters away.

CoaXPress

Frame Grabber Model	Camera Interface	Camera Connectors	Max. Camera Bandwidth [MB/s]	Onboard Memory [MB]	PC Interface [PCIe]	PoCXP
Coaxlink Quad 3D-LLE	4x CXP-6	4x DIN 1.0/2.3	2,500	1024	Gen2 x4	✓
Coaxlink Quad CXP-12 3D-LLE	4x CXP-12	4x HD-BNC	5,000	4096	Gen3 x8	✓
Coaxlink Quad CXP-12 DF	4x CXP-12	4x HD-BNC	5,000	4096	Gen3 x8	✓





NEW

CXP-12

Coaxlink Octo CXP-12

Eight-connection CoaXPress CXP-12 frame grabber

// 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 CoaXPress

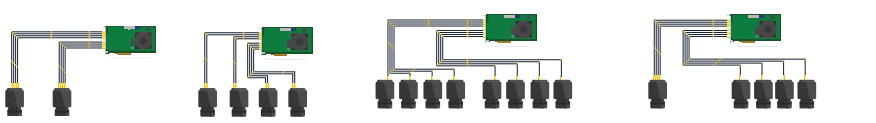


CXP-6

Coaxlink Octo

Eight-connection CoaXPress CXP-6 frame grabber

// 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



CoaXPress

Frame Grabber Model	Camera Interface	Camera Connectors	Max. Camera Bandwidth [MB/s]	Onboard Memory [MB]	PC Interface [PCIe]	PoCXP	Custom Logic
Coaxlink Octo	8x CXP-6	8x DIN 1.0/2.3	5,000	2048	Gen3 x8	✓	✓
Coaxlink Octo CXP-12	8x CXP-12	8x HD-BNC	10,000	8192	Gen4 x8	✓	-

CustomLogic
Your own FPGA logic

- // FPGA design kit enabling the design and upload of FPGA code to a Coaxlink board
- // Supported by AMD Vivado development tool
- // Memento Event Logging messaging
- // Compatible with Coaxlink Octo, Coaxlink Quad CXP-12 and Coaxlink QSFP+: 70% of AMD Kintex Ultrascale XCKU035 FPGA resources available
- // Access to CoaXPress camera pixel stream, on-board DDR4 memory and PCIe Gen3 connectivity

// What is Custom Logic ?

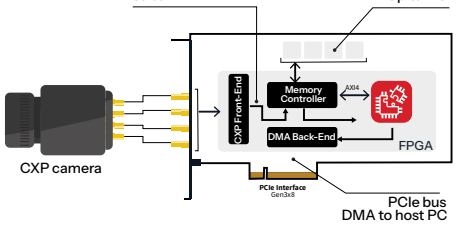
CustomLogic is an FPGA design kit enabling the design and upload of FPGA code to a Coaxlink board. It is compatible with the Coaxlink Octo, Coaxlink Quad CXP-12 and Coaxlink QSFP+. Typically up to 70% of their AMD Kintex Ultrascale XCKU035 FPGA Logic is available. The design phase uses the AMD Vivado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

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

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.



DDR4 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.

Debugging

Using CustomLogic does not require any additional hardware. The JTAG Adapter Xilinx for Coaxlink allows connecting the AMD programmer to the Coaxlink FPGA for debugging purposes.

eGrabber
Acquisition Software

- // Set of tools for image acquisition and recording
- // Compatible with CoaXPress cameras (with the Coaxlink cards)
- // Compatible with Camera Link cameras (with Grablink Duo)
- // Compatible with GigE Vision cameras (with the Gigelink library)
- // Recording to hard drives (with the Recorder library)

GENICAM

Set of software drivers, tools and applications that enable and simplify the development and debugging of computer vision applications using CoaXPress, Camera Link and GigE Vision cameras.

eGrabber Driver

Coaxlink and Grablink Duo driver

- // C++, C# and Python APIs
- // Support for single-thread, and multi-thread callbacks for real-time event handling
- // Support for script files to configure the frame grabber and camera
- // Compatible with GenICam, GenApi, and GenTL
- // Compatible with Windows, Linux, and macOS

eGrabber Studio

Powerful image acquisition

- // eGrabber's evaluation and demonstration application
- // Compatible with GigE Vision cameras (with the optional Gigelink library), CoaXPress cameras (with the Coaxlink cards), and Camera Link cameras (with Grablink Duo)
- // Recorder pane giving access to image recording with the optional eGrabber Recorder library
- // Compatible with Windows, Linux, and macOS

eGrabber Gigelink

GigE Vision image acquisition library

- // Image acquisition from GigE Vision cameras within eGrabber
- // Compatible with any GigE Vision camera
- // Hardware independent
- // Compatible with Windows and Linux platforms

eGrabber Recorder

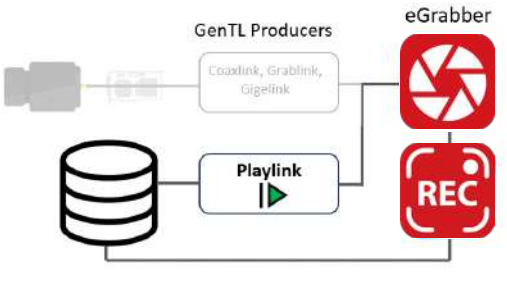
High-performance video recording library

- // Highly optimized video recording to disk
- // Recording at bandwidth compatible with fast cameras
- // Includes UTC timestamping
- // Export to standard TIFF and MKV files
- // Compatible with Windows and Linux platforms
- // Compatible with eGrabber Playlink

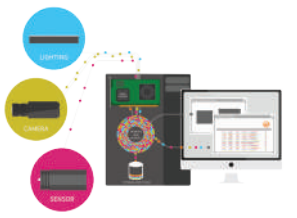
eGrabber Playlink

Virtual frame grabber and camera for Machine Vision

- // Standard GenTL producer
- // Acquire images recorded in eGrabber Recorder containers
- // Accelerate application development
- // Compatible with Windows and Linux platforms
- // Memento Event Logging Tool



eGrabber Memento
Event logging tool

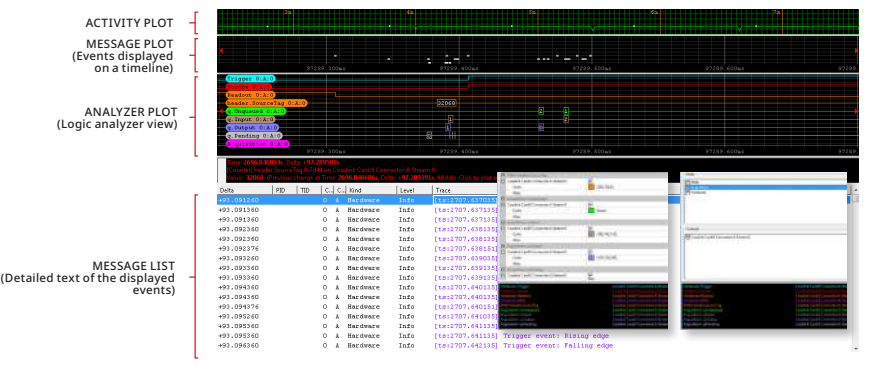


- // Accurate logging of events related to the camera, the frame grabber and its driver as well as the host application
- // Graphical representation of time-stamped events on a precise timeline with context information
- // Logic analyzer feature to help users analyze selected system events
- // Support for setting up, debugging and profiling the system
- // Available for all Coaxlink and Grablink cards in the PC
- // Non-intrusive tool requiring low CPU usage
- // Compatible with Windows, Linux, and macOS

// What is Memento?

In high-end inspection machines using vision, the frame grabber is responsible for acquiring images in synchronization with numerous external devices such as motion or lighting controllers, not to mention the camera itself. Debugging these systems often requires complex equipment, for example, oscilloscopes and logic analyzer, which are used along with software profilers.

The problem is even more acute with the latest cameras available, which allow for very fast frame rates exceeding several hundred, even thousand frames per second. Memento has been designed to simplify that process. During the operation, Memento records a very detailed log of events related to the camera, the frame grabber and its driver, as well as the host application.



// Memento analyzer

Memento provides a logic analyzer tool, called Memento Analyzer, that receives detailed, sequenced and timing information to help measure latencies and detect defects during acquisition. The Memento Analyzer displays system events (trigger, strobe, DMA, ...) on a timeline. It also displays how buffer queues are used and how acquired images are delivered to the application.



Grablink series
Camera Link

- // 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 I/Olines
- // Memento Event Logging Tool

Ecco+ Ecco



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
- // Supports PoCL, Power over Camera Link
- // PoCL SafePower compliant
- // ECCO: Extended Camera Link cable length
- // PCIe Gen 2 x4 bus: 1,700 MB/s sustained delivery bandwidth
- // Feature-rich set of 20 digital I/Olines
- // 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
- // Supports PoCL, Power over Camera Link
- // PoCL SafePower compliant
- // ECCO+: Double Camera Link maximum cable length
- // PCIe x4 bus: 850 MB/s sustained delivery bandwidth
- // Feature-rich set of 10 digital I/Olines



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
- // ECCO: Extended Camera Link cable length
- // PCIe x4 bus: 850 MB/s sustained delivery bandwidth
- // Feature-rich set of 10 digital I/Olines



Grablink DualBase

Frame grabber for two base-configuration Camera Link cameras

- // For two Camera Link Base or Lite configuration cameras
- // Supports PoCL, Power over Camera Link
- // PoCL SafePower compliant
- // ECCO: Extended Camera Link cable length
- // PCIe x4 bus: 850 MB/s sustained delivery bandwidth
- // Feature-rich set of 20 digital I/Olines

Grablink Base

Frame grabber for one base-configuration Camera Link camera



- // For one Camera Link Base or Lite configuration camera
- // Supports PoCL, Power over Camera Link
- // PoCL SafePower compliant
- // ECCO: Extended Camera Link cable length
- // PCIe x1 bus: 200 MB/s sustained delivery bandwidth
- // Feature-rich set of 10 digital I/Olines

Frame Grabber Model	Camera Interface	Camera Connectors	Max. Camera Bandwidth [MB/s]	Onboard Memory [MB]	PC Interface [PCIe]	PoCL	ECCO	ECCO+	Multi-Cam	eGrab-ber
Grablink Base	1x Base	1x SDR-26	255	64	Gen1 x1	✓	✓	-	✓	-
Grablink DualBase	2x Base	2x SDR-26	510	128	Gen1 x4	✓	✓	-	✓	-
Grablink Full	1x Full	2x SDR-26	850	128	Gen1 x4	-	✓	-	✓	-
Grablink Full XR	1x Full	2x SDR-26	850	128	Gen1 x4	✓	-	✓	✓	-
Grablink Duo	1x Full / 2x Base	2x SDR-26	850	512	Gen2 x4	✓	✓	-	-	✓

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Precision. Delivered.

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