



eGrabber Gigelink

GigE Vision image acquisition library

At a Glance



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

Benefits

Description

Gigelink is an optional library of eGrabber that provides a universal, hardware-independent access to GigE Vision cameras. With Gigelink, programmers can use the eGrabber concepts, objects, and function calls to acquire images from GigE Vision cameras, in the same way as with CoaXPress cameras (using the Coaxlink cards) and Camera Link cameras (using the Grablink Duo). Gigelink is compatible with GenICam as well as the eGrabber Studio applications.

Universal, compatible with any GigE Vision camera

eGrabber: A single API for GigE Vision, CoaXPress & Camera Link cameras

eGrabber Gigelink, a new optional add-on to eGrabber, provides a universal, hardware-independent access to GigE Vision cameras. eGrabber Gigelink allows the user to seamlessly integrate GigE Vision cameras from multiple brands in the same application, bypassing the proprietary camera drivers. With eGrabber, programmers can then use the same concepts, objects, and function calls to acquire images from GigE Vision cameras of any brand, from any CoaXPress cameras and any Camera Link camera.

Works great in eGrabber Studio

Also available in the same ecosystem, eGrabber Studio is the evaluation and demonstration application of eGrabber. It allows testing image acquisition, checking and configuring the parameters (GenAPI features) of the cameras and frame grabbers and recording the acquired video onto the hard disk. Live histogram, profile and pixel information display are also available.

Bridge towards Open eVision

Thanks to the EGrabberBridge class, images acquired within eGrabber can seamlessly be processed by Open eVision image processing libraries.

Open eVision is a set of image analysis libraries and software tools allowing the processing of images for text and code reading, matching and measurements, 3D processing and Deep Learning inspection. eGrabber Bridge gives access to these libraries by ensuring the smooth interfacing with the camera (handshake and data formats).

Compatible with Neo licensing system

Compatible with Windows and Linux

- All versions from Windows 7 SP1 to Windows 11, including the server versions, on x86_64 (64-bit) platforms
- Designed to be independent of the Linux distribution, on x86_64 and AArch64 (ARM64) platforms

Applications

Machine Vision for the Electronic Manufacturing Industry

- High speed image acquisition for AOI, 3D SPI, 3D lead/ball inspection machines.
- Very high resolution line-scan image acquisition for Flat Panel Display inspection and solar cell inspection

Machine Vision for the General Manufacturing Industries

- High frame rate image acquisition for inspection machines
- Line-scan image acquisition for surface inspection machines
- Line-scan image acquisition for textile inspection

Machine Vision for the Printing Industry

- High speed line-scan image acquisition for printing inspection machines

Video Acquisition and Recording

- High-frame-rate video acquisition for motion analysis and recording

Specifications

Software

Host PC Operating System	Microsoft Windows 11, 10, 8.1, 7 for x86-64 (64-bit) processor architecture
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Ordering Information

Product code - Description	• 4400 - eGrabber Gigelink
Optional accessories	• 6514 - Neo USB Dongle (empty)



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