



eGrabber Recorder

High-performance video recording library

At a Glance



- Highly optimized video recording to disk
- Recording at bandwidth compatible with fast cameras
- Long term recording, limited only by the disk size
- Includes UTC timestamping
- Export to standard TIFF and MKV files
- Compatible with Windows and Linux platforms

Benefits

Description

Recorder is an optional library of eGrabber that offers optimized video recording to hard drives. It is compatible with hard disk drives (HDD) as well as solid state drives (SSD).

Easy to use

The Recorder library is easy to use and relieves the user from having to care about file size, name, or format.

High performance

Recorder focusses on performance. The library has been highly optimized to exploit the maximum bandwidth of disks. The actual recording throughput will of course depend on the disk capabilities.

Timestamping

Recorder is able to compute and store UTC (Coordinated Universal Time) timestamps along with image data.

Make your own recorder

Fast SSDs (such as NVMe PCIe Gen 3 x8 or Gen 4 x4 M.2 SSDs) have become affordable. Their bandwidth is now compatible with the requirements of the faster cameras available.

Exporting

Recorder stores images in a proprietary highly optimized file format. Images and video can be exported to standard TIFF and MKV files.

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.

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.

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	• 4401 - eGrabber Recorder
Optional accessories	• 6514 - Neo USB Dongle (empty)



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