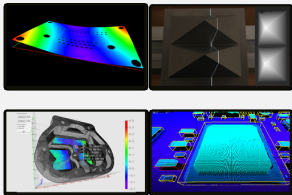


3D Bundle

Bundle of Open eVision 3D Libraries



At a Glance

- Cost effective bundle of eVision's 3D libraries
- Includes Easy3D, Easy3DLaserLine, Easy3DObject and Easy3DMatch

Benefits

Easy3D Description

Easy3D is the foundation library of Open eVision's 3D libraries. It contains a set of functions to manage 3D Depth Maps, Point Clouds and ZMap objects. Easy3D is required when using any Open eVision's 3D library and is included when purchasing Easy3DLaserLine, Easy3DObject, Easy3DMatch or the 3D Bundle.

Easy3DObject Description

Easy3DObject is a library able to automatically extract and measure 3D objects from a Point Cloud or ZMap. Easy3D is required when using any Open eVision's 3D library and is provided when purchasing Easy3DLaserLine, Easy3DObject, Easy3DMatch or the 3D Bundle.

Easy3DMatch Description

The Easy3DMatch library features alignment functions to find the exact pose (position and orientation) of acquired 3D objects using a reference model. This model can be specified as a reference point cloud or as a 3D mesh from CAD software. Easy3D is required when using any Open eVision's 3D library and is provided when purchasing Easy3DLaserLine, Easy3DObject, Easy3DMatch or the 3D Bundle.

Easy3DLaserLine Description

Easy3DLaserLine provides the necessary functions to implement a high-precision calibrated laser line triangulation setup. Easy3D is required when using any Open eVision's 3D library and is provided when purchasing Easy3DLaserLine, Easy3DObject, Easy3DMatch or the 3D Bundle.

Compatibility with 3D sensors

The Easy3D library is able to import data from third-party 3D sensors from Automation Technology, Azure Kinect, IDS Ensensio, Intel Realsense, Lucid Helios, LMI Gocator, Photoneo PhoXi, Shenzhen SinceVision (SSZN) and others. Point Clouds and ZMaps are managed efficiently and allow 3D processing and analysis to be performed.

3D Viewer

Use the 3D Viewer class of Easy3D to create an interactive 3D display. The 3D Viewer can display point clouds and 3D objects. It uses the OpenGL interface and requires a compatible display device.

Neo Licensing System

- Neo is the new Licensing System of Euresys. It is reliable, state-of-the-art, and is now available to store Open eVision and eGrabber licenses.
- Neo allows you to choose where to activate your licenses, either on a Neo Dongle or in a Neo Software Container. You buy a license, you decide later.
- Neo Dongles offer a sturdy hardware and provide the flexibility to be transferred from a computer to another.
- Neo Software Containers do not need any dedicated hardware, and instead are linked to the computer on which they have been activated.
- Neo ships with its own, dedicated, Neo License Manager, which comes in two flavours: an intuitive, easy to use, Graphical User Interface and a Command Line Interface that allows for easy automation of Neo licensing procedures.

Developed with the support of the DG06 Technology Development Department

Specifications

Ordering Information

Product code - Description	<ul style="list-style-type: none"> • 4185 - Open 3D Bundle for USB dongle • 4235 - Open 3D Bundle for PAR dongle • 4285 - Open 3D Bundle for soft-based licensing • 4335 - Open eVision 3D Bundle
Optional accessories	<ul style="list-style-type: none"> • 6512 - eVision/Open eVision USB Dongle (empty) • 6513 - eVision/Open eVision Parallel Dongle (empty) • 6514 - Neo USB Dongle (empty)



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