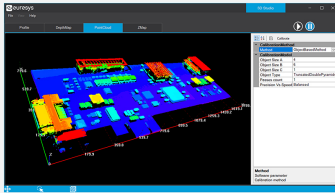# Open eVision 3D Studio

3D evaluation and prototyping application

At a Glance

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

Benefits

New in Open eVision 24.02

EasyFind : Significant speed increase, without any loss of accuracy.

EasyImage

- New Gabor filtering function to help with texture analysis and edge detection.
- New inverse circle warp function, providing conversion between polar and cartesian coordinates.

Easy: Improved off-screen rendering on all platforms.

Admin: Simplified version upgrade procedure with version numbers removed from filenames.

Open eVision 3D Studio

The Open eVision 3D Studio application drastically simplifies the configuration of single and dual 3D laser line inspection systems using the Coaxlink Quad 3D-LLE frame grabber, as well as the Easy3D and Easy3DLaserLine libraries.

Open eVision 3D Studio is free and does not require any license.

Just click on DOWNLOAD OPEN EVISION 3D STUDIO and install Open eVision. Sample images, manuals and sample programs are included.

Display the extracted laser line

3D Studio displays the extracted laser line directly on live images. It is a very useful feature to tune the mechanical setup, the camera exposure, region of interest and other Coaxlink Quad 3D-LLE parameters.

New in Open eVision 23.12

Import of standard datasets into Deep Learning Studio

- Import of COCO Json dataset for EasyLocate or EasySegment Supervised
- Import of YOLO TXT annotations for EasyLocate
- Import of Pascal VOC XML annotations for EasyLocate

EasySpotDetector (Beta release, contact us for more information)

- A single API and license for the alignment of region of interest, surface defect detection (particles, scratches,…) and classification with a custom trained Deep Learning classifier.
- Realtime processing for inline surface inspection

GenICam parameters

The GenICam parameters of the Coaxlink Quad 3D-LLE are available in the 3D Studio. A subset can be selected to appear on the Profile or Depth Map panels, for a live tuning of the acquisition and extraction parameters.

3D data containers

Open eVision 3D Studio presents the Easy3D workflow in four control panels: from laser line profiles to depth maps, then to calibrated point clouds and finally to ZMaps.

The object-based calibration of Easy3D is available and the resulting model can be saved.

Specifications

Software

Host PC Operating System	• Microsoft Windows 11, 10, 8.1, 7 for x86-64 (64-bit) processor architecture
	• Microsoft Windows 10, 8.1, 7 for x86 (32-bit) processor architecture
	• Minimum requirements:
	− 8 GB RAM
	− 400 MB free hard disk space

Ordering Information

Product code - Description	• 4911 - Open eVision 3D Studio

Empowering Computer Vision

EMEA

Euresys SA

Liège Science Park - Rue du Bois Saint-Jean, 20
4102 Seraing - Belgium

Email: sales.europe@euresys.com

EMEA

Sensor to Image GmbH

Lechtorstrasse 20
86956 Schongau - Germany

Email: sales.europe@euresys.com

AMERICA

Euresys Inc.

316 Prado Way
Greenville, SC 29607 - United States

Email: sales.americas@euresys.com

ASIA

Euresys Pte. Ltd.

750A Chai Chee Road - #07-15 ESR BizPark @ Chai Chee
Singapore 469001 - Singapore

Email: sales.asia@euresys.com

CHINA

Euresys Shanghai Liaison Office

Unit 802, Tower B, Greenland The Center - No.500 Yunjin Road, Xuhui District
200232 Shanghai - China
Euresys上海联络处
上海市徐汇区云锦路500号绿地汇中心B座802室
200232

Email: sales.china@euresys.com

CHINA

Euresys Shenzhen Liaison Office

Room 1202 - Chinese Overseas Scholars Venture Building
518057 Shenzen - China
Euresys深圳联络处
深圳南山区留学生创业大厦1期1202
518057

Email: sales.china@euresys.com

JAPAN

Euresys Japan K.K.

Expert Office Shinyokohama - Nisso Dai 18 Building, Shinyokohama 3-7-18, Kohoku
Yokohama 222-0033 - Japan
〒222−0033
神奈川県横浜市港北区新横浜3−7−18 日総第18ビル　エキスパートオフィス新横浜

Email: sales.japan@euresys.com

More at www.euresys.com