

EB GUIDE arware Demo

Release notes Version EBARWAREDEMO_1.1.0



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1. Migrating to the new release and compatibility

There is no previous release of EB GUIDE arware. So migration from a previous release is not supported.

2. Running EB GUIDE arware demo



Installing EB GUIDE arware demo

<u>Step 1</u> Download file eb_guide_arware_demo.zip from EB download page.

Step 2

Store zip-file on hard disk of your computer.

Step 3

Unpack zip-file to folder eb_guide_arware_demo.



Starting EB GUIDE arware demo

Open folder eb guide arware demo.

Step 2

Double-click start_EB_GUIDE_arware_demo.bat to start demo.



Toggle debug mode in EB GUIDE arware demo

Press **d** to toggle debug mode.

NOTE

Further key commands

Press **h** while in debug mode to toggle help information that shows further debug key commands.

3. New or changed features

This chapter lists all features that are new or have changed since the previous release. All features listed here are features according to the original project plan.

- IMU-based motion and orientation tracking
- Sensor agnostic fusion of remote object information (object lists)
- Kalman filter based fusion and tracking of ADAS lane geometry data
- Compensation of sensor and processing latencies using prediction algorithms
- Configurable sensor and visualization latencies to enable AR HUD live playback and on-screen video augmentation
- Processing and visualization of environment model data like recognized objects and lane markings
- Build-in support for use cases like adaptive cruise control, lane departure warning and navigation
- Generic interface for vehicle specific events allowing to create taylored custom applications
- ADASISv2 and ADASISv3 support
- Support of EB GUIDE 6.8 for HMI design
- AR HUD widget package containing 2D and 3D widgets
- A new on screen menu for use with a touchscreen demonstrator provides easy access to several settings (Press on upper left corner)

4. Known issues and limitations

The following list contains issues and limitations known at the time of release.

- Lane fusion tracking can lead to ghost objects
- Multisampling not supported at all graphic cards, results to a black screen
- Augmentation is misaligned when using Windows display scaling other than 100% (e.g. 150%)
- Windows 10 might block the execution of downloaded content. Workaround: Select More info and click Run anyway

5. Open source components in EB GUIDE arware

5.1. Boost Library

Name	Version	Comments / usage	Target device
Boost Library	1.68.0	OS abstraction	x

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5.2. Eigen

Name	Version	Comments / usage	Target device
Eigen	3.3.5	Mathematical operations (with EIGEN_MPL2_ONLY	x
		preprocessor token defined)	

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5.3. libjpeg-turbo

Name	Version	Comments / usage	Target device
libjpeg-turbo	2.0.0	Reading of jpg images	x

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Name	Version	Comments / usage	Target device
Proj.4	5.1.0	Coordinate transformation	x

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