

EB Assist ADTF

Framework for Developing Automated Driving Features

Capture

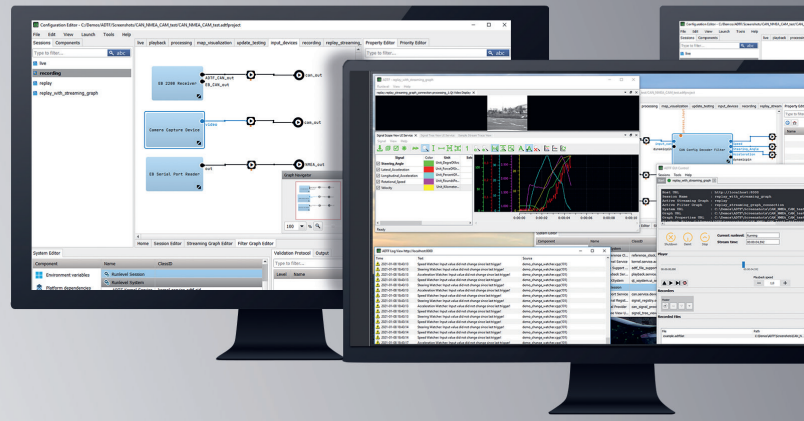
Develop

Test

Validate



Flexible and extendable set of modules for various needs and use cases



EB Assist ADTF is designed for distributed systems and multiple parallel recordings. This helps you set up complex test scenarios in relieving heavily loaded systems.

Features:

Capture and Replay

- ▶ Capture and synchronize data from multiple sensor sources

Develop

- ▶ Write your own code, test, debug and visualize outcome with SDK
- ▶ C++ API allows unlimited extensions

Test and Validate

- ▶ Set up specific triggers and schedules using high-precision timestamping
- ▶ Play, process and visualize real-time data edit with pre-integrated configurations

Benefits:

- ▶ Capture, visualize, validate and test in one framework, avoiding use of multiple platforms
- ▶ Experience intuitive and improved data handling that supports a wide range of applications and use cases
- ▶ Cooperate with external project teams across the globe
- ▶ Distribute workload to multiple computers and optimize performance of each
- ▶ Distribute records to capture high amount of sensor and bus data at once
- ▶ Save time by simplifying complexity
- ▶ Receive extensive support and training

EB Assist ADTF is supported by a consortium of premium OEMs and used by more than 50 automotive companies.

EB Assist Device Toolbox

Connects to various hardware devices:

- ▶ Vector CANCard
- ▶ Eberspächer FlexCard
- ▶ Peak CAN
- ▶ DirectShow Video Devices
- ▶ MOST Vector VN2610
- ▶ IDS µEye
- ▶ SMSC Optolyzer
- ▶ mvBlueFox
- ▶ Vector VN3300, VN3600, VN7600
- ▶ Video4Linux

EB Assist Display Toolbox

Offers various visualization modules:

- ▶ 3D Scene Display
- ▶ Scope Display
- ▶ 2D Display
- ▶ Table Display
- ▶ Signal View
- ▶ X-Y Display
- ▶ Qt Display Filter

EB Assist Calibration Toolbox

Supports CAN, FlexRay or Ethernet bus types and has multiple filters to support CCP/XCP communication with an ECU:

- ▶ XcpOnCanDevice
- ▶ XcpOnEthernetDevice Filter
- ▶ XcpOnFlexRayDevice Filter
- ▶ XcpCodec Filter: Establishes a physical connection between ADTF and an electronic control unit using the XCP Protocol
- ▶ CpDisplay Filter: Reads and changes the signal values of control units