GeneSys

Sensor Systems, Service & Smiles

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New features available

DELTA, LATDEV and PTP

The new generation of ADMA features now allows customers to meet their new and changing needs. GeneSys focuses on ease of use and increased productivity. Main adavantage is that the Add-Ons and Options can be activated quickly and conveniently by entering a license key. This is possible at any time without modifications to the hardware.

Designed for automotive testing, the ADMA features a high-precision inertial measurement unit (IMU) with DGNSS (Differential Global Navigation Satellite System) for 3D acceleration, velocity, position, pitch, roll, yaw and sideslip measurements.

Add-On DELTA 1:5 : Relative data calculation via WiFi in real-time for up to five vehicles

The "DELTA" Add-On enables the direct output of relative data (distances, velocities, angles) between up to five vehicles. Data is provided in real time with minimum latency. This option is widely used for ADAS tests, especially AEB, FCW and ACC, as it provides an accurate distance reference or distance control for robotic systems.
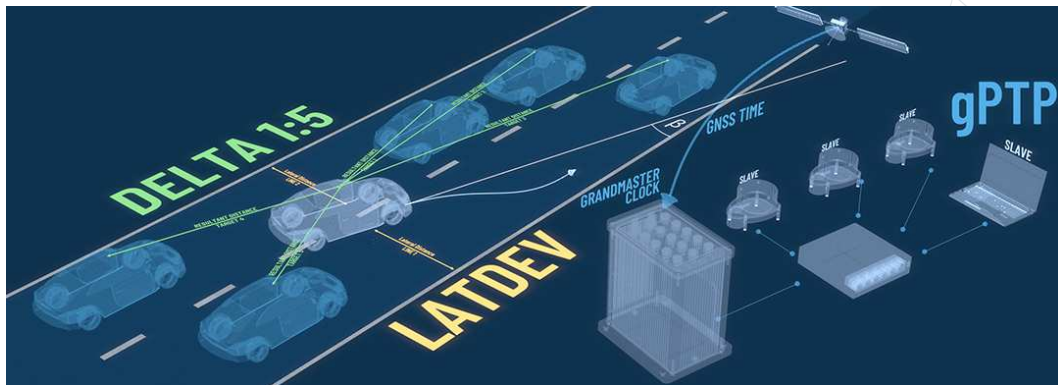
Add-On LATDEV: Real-time calculation of the lateral deviation

The Add-On LATDEV is used to test and validate Lane Departure Warning (LDW/LSS) systems. It calculates in real time the distance to two predefined straight lines, a fixed object, the angle to the straight lines, the lateral speed and acceleration in relation to three user-defined POIs (Point of Interests).

Add-On PTP: Time synchronization

The Add-On „Precision Time Protocol", PTP in short, offers the possibility to integrate the ADMA into so-called Time Sensitive Networks (TSN). The ADMA can be operated as a grandmaster clock in the measurement setup in order to synchronise integrated systems such as measurement data acquisition, radar or lidar sensors with PTP.

All Add-On options are available for all ADMA models.

Now available: New features for GNSS-aided inertial measurement system ADMA