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WHATS NEW – FW 35.3.0.x

HW VERSION 3.5

- ADMA-Micro

GeneSys Elektronik GmbH
Offenburg

WHATS NEW

ADMA FW 35.3.0.x

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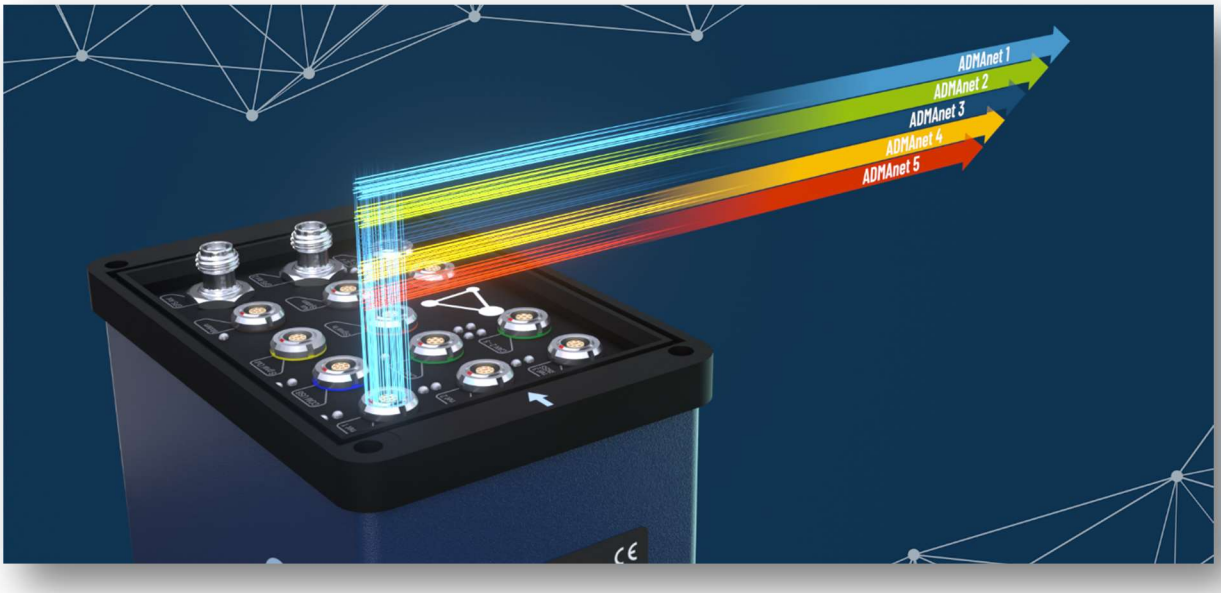
Inhalt

1 MULTI DESTINATION

FEATURE

The ADMA now supports sending the ADMAnet data stream not only via broadcast—known for its high network load - but also up to five direct destination IP addresses in parallel. This new capability significantly reduces network load while maintaining efficient data distribution.



2 DUAL ANTENNA

FEATURE

The ADMA-Micro now supports Dual Antenna functionality, making it ideal for low-speed and robotic applications, such as fully automated durability testing, where a valid yaw is required immediately after power-up. This method ensures precise heading information from startup, even when stationary.

3 ENHANCED INITIALIZATION

FEATURE

The initialization procedure for the ADMA system has been significantly improved to enhance flexibility, accuracy, and safety during measurement drives. The key features of this enhancement include:

1) Delayed Heading Initialization:

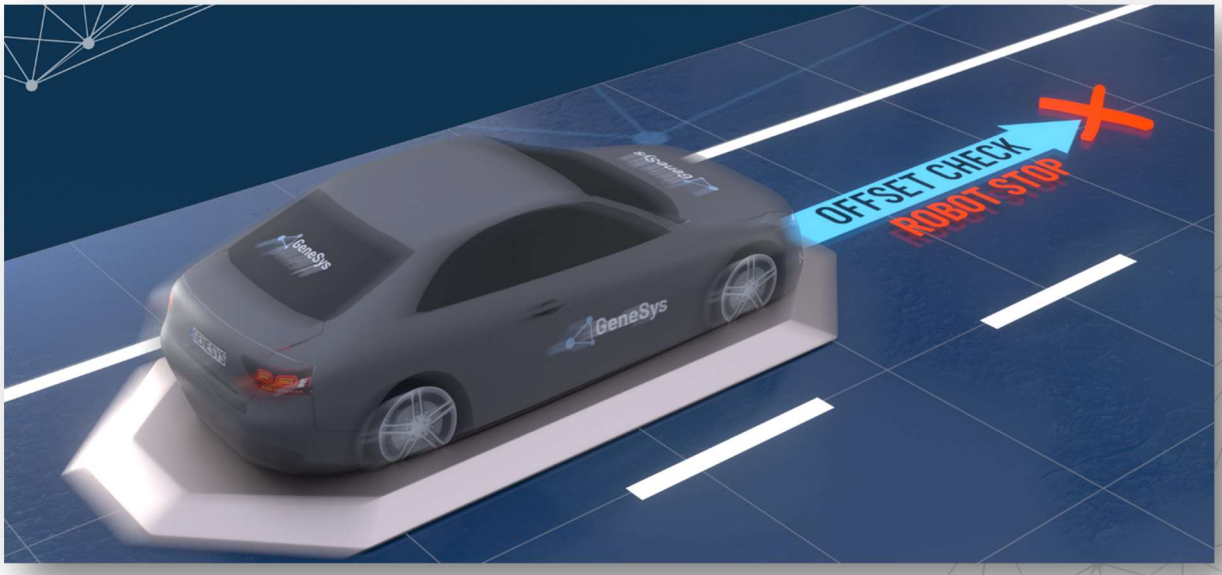
With this new feature we aim to prevent misuse of the system, ensuring that heading initialization is performed correctly. While the optimal scenario involves driving straight at the beginning, some users may neglect this step. With this update, we introduce a safeguard that helps mitigate improper use within certain limits.

2) Heading and Mounting Offset Validation:

During the first straight-line driving, the system not only initializes the heading but also validates the configured mounting offsets. This validation ensures that the offsets are correct and checks for significant deviations or improperly configured rotation angles. If the offsets are deemed implausible, the status bit warning "Warn Mounting Offsets" is set to 1, providing early detection of potential configuration

3) Safety Assurance through Automated E-Stop:

If incorrect mounting offsets are detected during initialization, the ADMA system automatically switches the robot mode to "not ready," prompting the driving robot to halt operations immediately. This mechanism ensures the safety of all ADAS platforms or Driving robots relying on ADMA data, guaranteeing accurate



4 ON-THE-FLY CONFIGURATION

FEATURE

The ADMA now supports modifying all configuration parameters that do not impact the Kalman filter during an active measurement. This enhancement provides greater flexibility and efficiency, allowing seamless adjustments without interrupting the measurement process and thus without a re-initialization.

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