

AVETO Starter Kit GMSL2 for Sensor validation

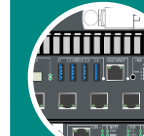
Product overview

The AVETO Validation Toolchain offers a complete development system consisting of recorder, measurement technology adapter and the visualization framework for the entire validation process for recording, analysis and processing of many sensors. Mastering the data and being able to start the validation process earlier is just one goal of the AVETO solution.

The application areas for this system are demanding measurement tasks for driver assistance systems (ADAS) or automated and autonomous driving (AD).



Highlights

 Maximum performance on minimal footprint	 2x 10 Gb Ethernet for high bandwidth recording of measurement data	 Time synchronization based on IEEE Std 802.1AS Add-On	 Extended operating temperature range	 Pre configured demo system	 GMSL2 SerDes Measurement Data Interface MDILink	 STORAGEplus – removable high performance storage unit
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Alle Daten bei 25°C Umgebungstemperatur, falls nicht anders angegeben. / All data at nominal input and 25° C ambient temperature, if not marked otherwise. • Alle Daten dienen nur Informationszwecken und sind nicht als zugesicherte Eigenschaften aufzufassen. / All data for information purposes only, no assured characteristics. • Technische Änderungen ohne vorherige Ankündigung sowie Irrtümer vorbehalten. / Technical modifications without notice and errors reserved. • Belastung mit Extremwerten über einen längeren Zeitraum kann die Zuverlässigkeit beeinflussen. / Strain with extreme values for a longer period may affect the reliability. • Alle Trademarks und Logos sind Eigentum der jeweiligen Unternehmen. / All trademarks and logos are property of the concerning companies. In case of doubts the German version of the document is binding. © b-plus GmbH • 23.08.2021 14:55 • Version: 1.2

ADAS and AD measurement and recording System

Technical information

AVETO Starter Kit

- BRICKplus measurement and recording unit
- 2x 10Gb Ethernet RJ45, HW-TS, TR
- 5x 1Gb Ethernet RJ45, HW-TS, TR, Capture
- IEEE 1588, 802.1AS-2020 multi domain
- Continuous writing performance up to 2GB/s
- 4x USB 3.0 Host
- Integrated GPS for time master

Data Storage

- 16TB Server RAID based Storage device
- Writing speed up to 16Gb/s continuously

Measurement Cards

- BMC-ETH6000 6x RJ45 1GbE PoE TS
- BMC-VB2, 8x CAN-FD (Flexcard PMCI)

Measurement Data Interface

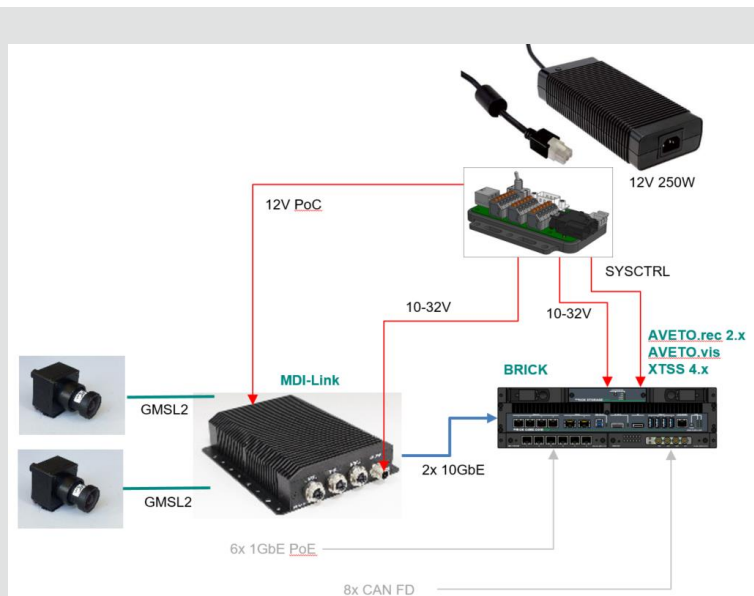
- 2x 10Gb Ethernet Measurement Data Interfaces MDILink via IEEE 1588, 802.1AS time synchronization
- Dual Channel GMSL2 sensor interface, endpoint and TAP mode

Accessories

- Cable set and power supply
- GMSL2 sensor with integrated ISP

AVETO.APP Software Framework

- Recorder
- Visualization



AVETO Starter Kit Overview

Certification

- CE, RoHS / REACH

Name

AVETO Starter Kit

Order-no.

B17575-BCS-004-0000

Description

AVETO Starter Kit, high bandwidth data recording system for sensor / ECU validation
 BRICK CORE COMplus measurement and recording unit
 BRICK STORAGEplus 16TB
 AC Power supply, sensor and complete cable set
 MDILink QX035-1GCT1GCT-2
 AVETO APP Software Suite
 Preconfigured and all accessories included