

# AVETO Starter Kit for GMSL Sensor validation





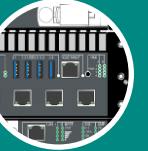


## Product overview

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

 <p>Maximum performance on minimal footprint</p>	 <p>10 Gb Ethernet for high bandwidth recording of measurement data</p>	 <p>Time synchronization based on IEEE Std 802.1AS Add-On</p>	 <p>Extended operating temperature range</p>	 <p>Pre configured demo system</p>	 <p>GMSL2 SerDes Measurement Data Interface MDILink</p>	 <p>STORAGEplus – removable high performance storage unit</p>
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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 • 07.04.2021 13:03• 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
- DisplayPort
- 4x USB 3.0 Host
- GPS (Position and time)

#### 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

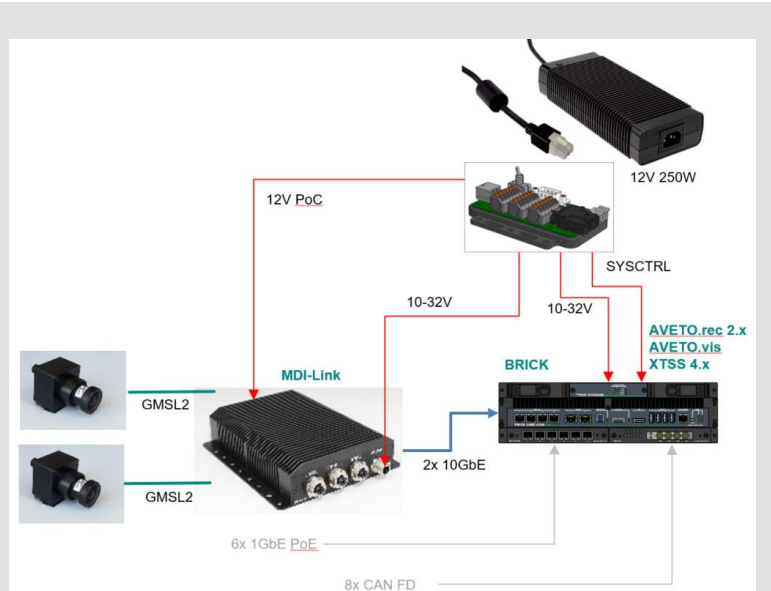
- Measurement Data Interfaces MDILink via 10Gb Ethernet IEEE 1588, 802.1AS time synchronization
- Dual Channel GMSL2 sensor interface, endpoint and TAP mode

#### GMSL2 Sensor

- LI-IMX490-GW5400-GMSL2-120H, 5,3MP

#### AVETO.APP Software Framework

- Recorder
- Visualization



AVETO Starter Kit Overview

#### Certification

- 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 and complete cable set  
 MDILink QX035-1GCT1GCT-2  
 GMSL2 Camera LI-IMX490-GW5400-GMSL2-120H, 5,3MP  
 AVETO APP Software Framework  
 Preconfigured and all accessories included