

Modular Data Acquisition System

This data collector series includes a data acquisition host and nine major acquisition modules. It is applicable to various data acquisition scenarios in the field of vehicle road testing.



Overview

Modular Data Acquisition System

This versatile data collector series consists of a central acquisition host and nine specialized modules designed for comprehensive vehicle road testing. The system features a modular structure with D-Jack CAN interfaces, allowing for ultra-flexible combinations or independent use depending on specific testing requirements. It supports both UDP and CAN FD communication protocols to ensure seamless data integration across various signal frequencies.

System Architecture

Modular Components

- Data Acquisition Host
- Analog Module
- Thermocouple Acquisition Module
- Digital Acquisition Module
- Power Module
- Wireless Acquisition Module
- IEPE Acquisition Module
- Alarm Signal Acquisition Module
- Video Capture Module

Major Modules

9

Acquisition Modules

1

Acquisition Host

Connectivity

Supported Protocols

UDP • CAN FD

Interface Form

D-Jack CAN Interface

Performance

Signal Acquisition Range

Low Frequency, High Frequency, Analog, Digital, Bus Signals

Signal Synchronization

Yes

Application

Primary Use Case

Vehicle road testing and field data acquisition