ERGONEERS

FROM SCIENCE TO INNOVATION

D-LAB

CAN BUS

// If you want to run a study in a real car or cal-
culate your own driving performance metrics
D-LAB CAN Bus is what you are looking for.
Simply connect the cars CAN Bus to D-LAB and
the data will be recorded within D-LAB. All data
on the CAN Bus can be recorded synchronously
with other input channels like an eye tracker or
physio devices.

D-LAB CAN BUS

D-LAB data aquisition platform for behavioral research provides you with efficient and reliable support through all phases of your ergonomic and usability studies. It helps to plan your studies, record data from various channels and generate the final results via automated analysis. D-LAB can cope with different frequencies for each of the data channels, works across multiple subjects and records all input data synchronously. With its modular structure it can be used for just one sensor type – such as D-LAB CAN Bus – or in combination with many other input channels like eye tracking or video.

CAN BUS
Multiple CAN Bus inputs supported (up to two)

PLAN
Definition of Tasks
Group subjects in different categories
Live data visualizations: line, point & step charts, peak chart, gauges, state diagram etc.
Multi data charts (of the same subject)
Real time access to all available data

MEASURE
Live data visualizations: line, point & step charts, peak chart, gauges, state diagram etc.
Multi data charts (of the same subject)
Real time access to all recorded data (via TCP/IP interface)
Real time comments
Real time task triggering

ANALYSE
Calculation of different statistical metrics
Export of CAN statistics
Export of all recorded and computed CAN values
Multi data charts (of the same subject)
Task based analysis
Task based data export
Time Line visualisation of triggered tasks and events
Visualizations for numerical data: line, point & step charts, peak chart, gauges, state diagram etc.
Multi subject charts
Definition and calculation of user defined metrics based on all available data (scripting language)

SUPPORTED INPUTS
Mobileye 560 Camera Kit (open protocol)
Peak CAN card