

EYE TRACKING  
VIDEO  
PHYSIOLOGY  
AUDIO  
CAN BUS  
DATA STREAM

**D-LAB**





EYE TRACKING



VIDEO



CAN BUS



AUDIO



PHYSIOLOGY



DATA STREAM

ONE SOLUTION.  
ONE POWERFUL  
SOFTWARE.

# D-LAB

## D-LAB. THE BEST WAY TO MEASURE AND ANALYSE HUMAN BEHAVIOR.

Is recording and analyzing behavior essential to your research? Then Ergoneers has the perfect solution: D-Lab. All modules are designed to work perfectly together to create ideal measurement and analysis tools. D-Lab provides you with efficient and reliable support through all phases of your ergonomic and usability studies. It helps to plan your studies, recording data from various channels and generates the final results via automated analysis. With D-Lab, you can generate high-level, verifiable and reproducible results which are compliant with international standards. Our modules are also completely scalable and flexible. This allows you to combine our measurement hardware to best suit your needs and to create a unique and personalized D-Lab environment.

# D-LAB. AVAILABLE MODULES.

D-Lab is your powerful, all-purpose tool for synchronous data capture and analysis for user and behavior studies. You can combine its measurement and analysis modules flexibly, enabling you to tailor D-Lab to your exact requirements.

## D-LAB EYE TRACKING

For real-time visualization, capture and automatic analysis of human gaze behavior. Our Dikablis gaze capturing system comes in three different versions: Head Mounted, Remote or Virtual Reality.

## D-LAB VIDEO

A module for video-based evaluation of subject behavior. D-Lab Video facilitates recording any number of video channels using PAL cameras, DVI signals or full HD IP cameras with PTZ function, together with high precision qualitative and quantitative analysis.

## D-LAB PHYSIOLOGY

Provides flexible measurement of physiological values such as EEG, EMG, ECG, pulse rate, skin conductance, respiration and more. Enjoy synchronous replay and precise analysis with D-Lab's formula editor and statistical processing.

## D-LAB AUDIO

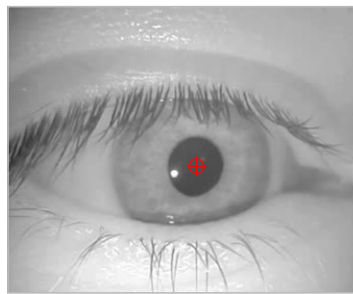
Record up to 16 audio signals synchronously, with complete analysis by selective track replay and specific transcription and statistics functions.

## D-LAB CAN BUS

With the D-Lab CAN Bus module, you can record encrypted and decrypted data (using DBC files) from the CAN bus and transmit data to it. The analysis of CAN measurement data ranges from visualizing them using various charts to processing the readings with the D-Lab formula editor and statistical analysis.

## D-LAB DATA STREAM

With TCP/IP, CAN bus and field bus interfaces, this is the perfect module to record and analyze any data stream – those of simulations, vehicles, aircraft or any other equipment.

A screenshot of the 'Study Explorer' window. It displays a table with columns for 'Name', 'Duration', and 'Recorded Data'. The table lists several studies, including 'DemoNeuAbleSensors', 'male', 'ichann', 'Gisbert', 'Christian', and 'female'. Each study entry includes a list of recordings with their respective durations and recorded data values. The interface includes a search bar and various filters to refine the data view.A screenshot of the 'Data Session Explorer' window. It displays a table with columns for 'Name', 'Type', and 'Visualizations'. The table lists several data sessions, including '3\_767208', '4\_767208', 'Driving Dynamics', 'Physio', and 'EMG'. Each session entry includes a list of parameters and their corresponding values. The interface includes a search bar and various filters to refine the data view.

# D-LAB. MEETS EVERY REQUIREMENT.

Three different levels of D-Lab are available within each of our various modules, depending on your requirements. D-Lab Essential is the cost-effective, entry-level module with basic functions that help carry out behavioral studies and manual analysis of results. Next is the fast and effective D-Lab Professional module which provides many additional functions along with automated analysis. For the highest level of flexibility, choose D-Lab Enterprise with its user-defined design options.

# D-LAB. PLAN. MEASURE. ANALYZE.

D-Lab allows you to create highly personalized experimental designs as well as tracking how your project is progressing. During the planning phase, D-Lab supports all your activities – from selection of test subjects to defining test areas to configuring hardware. During the measurement process, you can monitor all channels in real time to detect and mark dependencies immediately. With our D-Lab analysis function, you can synchronously play back single measurement data, as well as precisely analyze gaze behavior, actions, verbal comments, physiological reactions, motion, gestures, and facial expressions. You'll also benefit from the wide range of statistical functions in D-Lab, along with the possibility to generate convincing statistics, diagrams and demo videos. D-Lab provides a crystal clear overview of each experiment across all its projects and sub-projects and provides you with valuable and actionable results.

Need support to carry out your study? Our consultants provide customized D-Lab training and support throughout your experiments.

A large, abstract graphic composed of numerous small squares in various shades of blue and white, scattered across the lower half of the page, creating a dynamic, pixelated effect.

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