



**EYE TRACKING
VIDEO
PHYSIOLOGY
AUDIO
CAN BUS
DATA STREAM**

D-LAB

ONE SOLUTION ONE POWERFUL SOFTWARE

D-LAB

THE BEST WAY TO MEASURE AND ANALYSE HUMAN BEHAVIOR

If analyzing human behavior is essential to your research then Ergoneers has the perfect solution: D-Lab. A number of freely configurable modules plug into the robust D-Lab framework. This gives you greatest possible flexibility as all modules are designed to work perfectly together. All incoming data channels are recorded fully in sync to give a holistic view to a person's behavior. D-Lab 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. With D-Lab, you can generate high-level, valid, verifiable and reproducible results which are compliant with international standards. As all modules are completely scalable and flexible you can combine your measurement hardware to best suit your needs and create a unique and personalized D-Lab environment.

AVAILABLE MODULES

D-Lab is your powerful, all-purpose tool for synchronous data capture and analysis for user and behavioral science. Combining its measurement and analysis modules flexibly enables you to tailor D-Lab to your exact requirements.



D-LAB EYE TRACKING

For real-time visualization, data capture and automatic analysis of human gaze behavior. Our software platform to analyze gaze behavior is available 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 a 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 methods.



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 scripting language and statistical processing.



D-LAB AUDIO

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



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. The analysis of CAN measurement data ranges from visualizing them using various charts to processing the readings with the D-Lab scripting language and statistical analysis.



D-LAB DATA STREAM

The perfect module to record and analyze any TCP/IP traffic. With this flexible interface it is easy to connect TCP/IP sensors such as simulators, GPS devices, vehicles or other equipment.



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 – including our own scripting language – choose D-Lab Enterprise.

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 tasks or configuring recording sensors. During the measurement process, you can monitor all channels in real time to detect and mark observations 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, motions and gestures. You'll also benefit from the wide range of statistical functions in D-Lab, along with the possibility to generate convincing statistics, visualizations and demo videos. D-Lab provides a crystal clear overview of each experiment across all its projects and subjects with valuable and comprehensive results.

Need support to carry out your study? Our consultants provide standard or customized D-Lab training and help to successfully start your project.

INNOVATIVE TOOLS FOR BEHAVIORAL RESEARCH

SOFTWARE >> D-LAB, SILAB

HARDWARE >> DIKABLIS, VEHICLE TESTING KIT, IR MARKER



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