ERGONEERS
FROM SCIENCE TO INNOVATION

D-LAB

VIDEO

// If you intend to do a study observing a person or a group of people D-LAB Video offers tools for the complete study circle. Define age, gender, experience etc while planning, receive data from different kind of video cams and record & analyze the video channels synchronously.
Live view of up to four Full HD cameras is possible and you can even operate your PTZ cameras directly from D-LAB without a third party program.

D-LAB VIDEO

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 Video – or in combination with many other input channels like eye tracking or audio.

Multiple video cameras supported

VIDEO
DVI signals
PAL/NTSC cameras
Screen casts
USB webcams
IP cameras, also with PTZ control (with ONVIF X interface and RTSP)

PLAN
Definition of coding scheme using behavior groups, behaviors and actors
Definition of Tasks
Group subjects in different categories
Live views of all attached cameras
Add attributes to the coding scheme (numeric and nominal)
PTZ controlling from D-LAB (for IP cameras)

MEASURE
Live views of all recorded cameras
Real time behavior triggering using key codes
Real time comments
Real time task triggering
PTZ controlling from D-Lab (for IP cameras)

ANALYZE
Behavioral analysis based on behavior groups, behaviors and actors
Behavioral analysis based on continuous analysis
Behavior triggering using key codes
Calculation of statistical metrics for bahavioral analysis
Export of all recorded videos
Export of behavioral analysis statistics
Export of the coded data
Playback of all recorded videos
Task based analysis
Task based data export
Time line visualisation of coded video data
Time Line visualisation of triggered tasks and events
Behavioral analysis based on video sampling
Behavioral analysis using also attributes (numeric and nominal)