

Prophea^{data engine}

Factsheet^{1.0} Prophea^{data engine}

Features & Availabilities



Prophea.X[®]

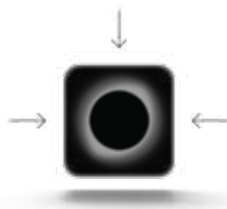
The ultimate data engine

Prophea^{data engine} is the ultimate tool for unlimited, synchronous recording of sensor data.

With freedom to select master frequency and synchronisation mechanisms, Prophea^{data engine} is designed for high performance data processing, irrespective of data types or frequencies.

All analysis modules within the Prophea.X ecosphere are delivered with Prophea^{data engine lite}. Prophea^{data engine lite} enables three input channels for synchronous recording: One sensor, specific for your analysis-module, one USB- or web-cam and one microphone.

Prophea^{data engine} standard package features seven analysis-specific sensor-inputs.



Expanding the possibilities of Prophea.X even further, **Advanced Multi Sensor Packages** are available in two options:

Prophea^{data engine extended} is expanded up to 20 sensor-inputs.

For larger sensor-input requirements, Prophea^{data engine ∞} is individually licensed up to an unlimited amount of input streams.

Connect with us for your individual consultation!



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Prophea^{data engine}



General Features (also available in data engine lite for analyzing modules)

- Can be used standalone
- Can be combined with Prophea analyzing modules
- Task definition
- Sensor definition
- Group subjects in different categories
- Live visualization of recorded videos
- Live visualization of eye tracking videos (Gaze point in video)
- Live visualization of all recorded numeric sensor data in time-based diagrams
- Live visualization of pupil detection on eye-video (available exclusively with Dikablis Glasses X)
- Replay function of recorded videos
- Replay function of recorded audio-files
- Replay function of recorded numeric data in time based-diagrams
- Replay function of gaze-videos
- Multiple charts
- Customizable workspace
- Multiple screen capabilities
- Realtime comments
- Realtime task triggering (online and from external applications)
- Multi subject capability - e.g. multiple mobile eye trackers
- Multimodal capability - e.g. video streams, motion data, eye tracking data, etc.
- Synchronous recording of an unlimited number of sensors

Interfaces/Connectivity

- TCP/IP network stream
- API/SDK from any hardware
- LSL
- CAN-Bus *
- ROS*

*available Q1 2025

Integrated sensors (API or SDK integration)

- USB-Cams/ Webcams
- Dikablis.X - Eye Tracker
- Tobii Pro Glasses 3 - Eye Tracker
- Tobii Remote Eye Tracker
- IP-Cams

Data Export

- Export of videos
- Export of audio files
- Export functionalities depending on tasks or subjects
- Realtime streaming of all recorded data (streaming function)
- Export of all recorded raw data in standard formats like .csv