

# Prophea<sup>data engine</sup>

Factsheet<sup>1.0</sup> Prophea<sup>data engine</sup>

Features & Availabilities



## Prophea.X<sup>®</sup>

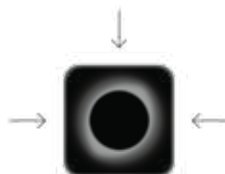
The ultimate data engine

Prophea<sup>data engine</sup> is the ultimate tool for unlimited, synchronous recording of sensor data.

With freedom to select master frequency and synchronisation mechanisms, Prophea<sup>data engine</sup> is designed for high performance data processing, irrespective of data types or frequencies.

All analysis modules within the Prophea.X ecosphere as well as the Dikablis Glasses X are delivered with Propheadata engine lite . Propheadata engine lite enables two input channels for synchronous recording.

Prophea<sup>data engine</sup> 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<sup>data engine extended</sup> is expanded up to 20 sensor-inputs.

For larger sensor-input requirements, Prophea<sup>data engine ∞</sup> 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)

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- 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

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

\*available Q1 2025

## Integrated sensors (API or SDK integration)

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

## Data Export

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- 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