

tobii pro/glasses 2



The world's most innovative
wearable eye tracking system
for real-world research.

Envision human behavior

Tobii Pro Glasses 2

Tobii Pro Glasses 2 is a wearable eye tracker with a wireless live view function for insights in any real-world environment. The ultra-lightweight, user-centric design encourages natural viewing behavior and ease of use. The system captures data at 50 or 100 Hz.

Pro Glasses 2 shows exactly what a person is looking at in real time while moving around in any real-world environment, giving researchers deep and objective insights into human behavior. Complete unobtrusiveness and Tobii's proprietary 3D eye model

technology combine to ensure researchers capture the most natural viewing behavior and supreme data quality. Quick calibration and system-guided procedures reduce time in the field and make it easy for anyone to start using the system with very little training.

Collect gaze data

The **Tobii Pro Glasses 2** head unit captures what the participant sees, as well as sound. The pocket-sized recording unit records and saves gaze data onto an SD card.



Live view

The **Tobii Pro Glasses Controller** software lets you run and control studies in the field, and run live-view test sessions with gaze data on any Windows tablet or computer.



True view

The Pro Glasses 2 system provides, what we call, a "true view" of what users see. A unique set of features, including four eye cameras, a wide-angle HD scene camera, and thin side pieces for a completely unobstructed side view, capture wide-angle views and ensure natural viewing behavior, including peripheral viewing.

Supreme data quality

Robust tracking of all eye types, persistent calibration, and minimum data loss during extreme eye movements allow you to track a wide cross-section of the population and ensure supreme data quality. Slippage compensation, combined with a sampling rate of 50 or 100 Hz, enables collecting more data with even higher validity.

Sync with physiological data

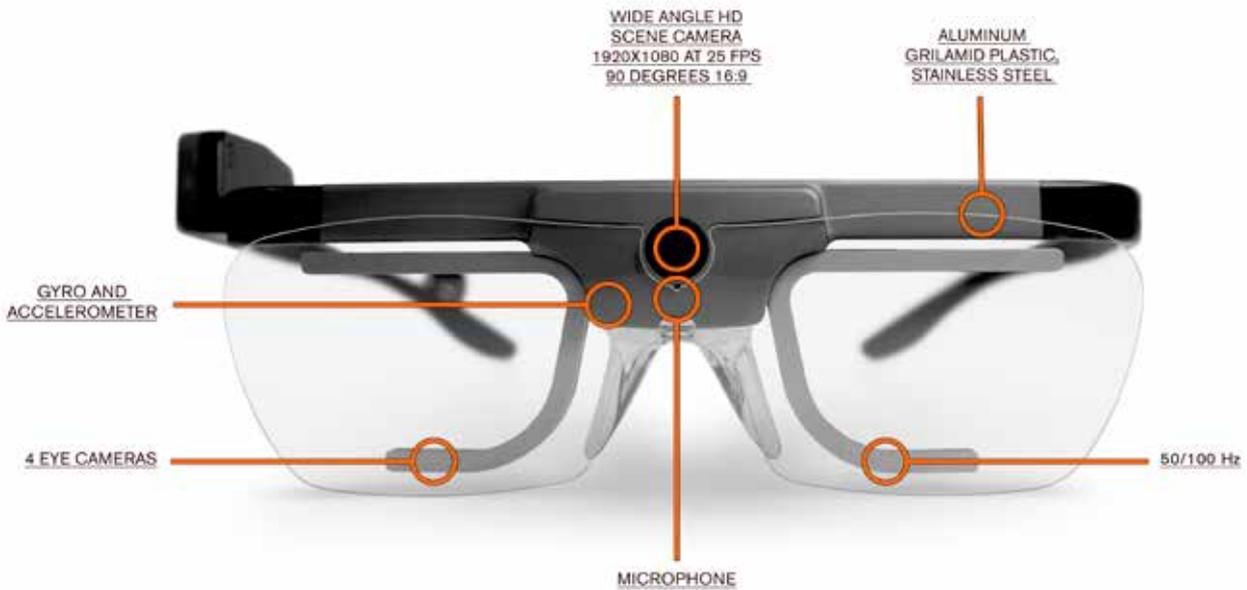
The system's recording unit allows for synchronization with a broad spectrum of physiological data, including EEG, NIRS, skin conductance, motion detection, respiration rate, and heart rate. Pro Glasses 2 provides the highest level of sync with very low latency and the ability to use a hardware sync without having to carry a laptop with you.



Wide-angle HD scene camera captures natural viewing behavior.



Pro Glasses 2 eye tracking data is easy to synchronize with EEG.



Analyze & Visualize

The Tobii Pro Glasses

Analyzer software provides the tools for comprehensive post-analysis and visualization.



Live view. Instant insights.

Live view allows you to see exactly what a person is looking at, wirelessly and in real time, and therefore gain immediate and actionable insights. It's easy to use and affordable, yet it's a very valuable research tool – ideal for many types of studies.

Automated Real-World Mapping

The Real-World Mapping tool integrates into the Pro Glasses Analyzer, streamlining the coding process and dramatically reducing the analysis time. It aggregates and maps data from eye tracking videos to snapshots, allowing immediate visualization of the quantified data or extracting statistics.

Analysis and visualization

Powerful post-analysis and visualization tools provide a full spectrum of qualitative and quantitative gaze data analysis and visualizations. You can easily log events, define areas of interest, calculate statistics, create heat maps, and export data for further analysis in other software



View test sessions live on any Windows tablet or computer.



Create heat maps to analyze data and communicate your findings.

Technical Specifications

Eye tracking

Gaze sampling frequency 50 or 100 Hz

Calibration procedure One point

Calibration validation Yes

Parallax compensation Automatic

Slippage compensation Yes, 3D eye model

Tracking technique Corneal reflection, binocular, dark pupil tracking

Pupil measurement Yes, absolute measure

Head unit

Number of eye cameras 4 eye cameras

Sensors Gyroscope and accelerometer

Scene camera format and resolution H.264
1920 x 1080 pixels @25 fps

Scene camera field of view 90° 16:9

Scene camera recording angle/
visual angle 82° horizontal
52° vertical

Sound recording/microphone Yes

Frame dimensions 179 x 159 x 57 mm (7.0 x 6.3 x 2.2")

Weight 45 g (1.6 oz), incl. protective lens

Recording unit

Battery recording time 120 min

Storage media SD card (SDXC)

Connectors HDMI, Micro USB, 3.5 mm jack

Wireless 2.4 GHz and 5 GHz band

Dimensions 130 x 85 x 27 mm (5.1 x 3.3 x 0.9")

Weight 312 g (11.0 oz), incl. battery

Controller Software

Features

- Calibration
- Participant management
- Recording management
- Study management
- Live viewing
- Replay of recordings
- Video export

Tobii Pro Glasses Analyzer

Features

- Replay recordings
- Event logging
- Real-World Mapping
- Visualization tool
- AOI tool
- Metrics export
- Data export
- Import & export projects

Accessories

Prescription lenses Range from -5 to +3 diopter, 0.5 diopter steps

Services

Tobii Pro Insight Research Services – you can outsource an eye tracking study from our experts, leveraging our global leadership and expertise in eye tracking technology.

VR Integration Service – we will enable eye tracking in your virtual reality headset, like the Oculus DK2, using eye tracking components from Pro Glasses 2. This service combines the power of our wearable technology with your VR headset, providing more tools to use in your study's virtual environment.

Onsite Installation and Initial Training – our team will provide a one-day training that includes the onsite installation of your eye tracker and software. You and your team will gain a basic understanding of operating the system.

© TobiiPro®. Illustrations and specifications do not necessarily apply to products and services offered in each local market. Technical specifications are subject to change without prior notice. All other trademarks are the property of their respective owners.

Tobii Pro provides eye tracking research solutions and services designed to deepen understanding of human behavior. Headquartered in Sweden, with local teams active on six continents, we help business and science professionals to further their research.

tobii.pro
sales@tobii.com

tobiipro