Tobii Pro Glasses 3
Product Description

Head Unit
Recording Unit
Corrective Lenses
Controller Application
Product Description Tobii Pro Glasses 3

Version 1.0.1
05/2020
All rights reserved.
Copyright © Tobii Pro AB (publ)

The information contained in this document is proprietary to Tobii Pro AB. Any reproduction in part or whole without prior written authorization by Tobii Pro AB is prohibited.

Products that are referred to in this document may be either trademarks and/or registered trademarks of the respective owners. The publisher and the author make no claim to these trademarks.

While every precaution has been taken in the preparation of this document, the publisher and the author assume no responsibility for errors or omissions, or for damages resulting from the use of information contained in this document or from the use of programs and source code that may accompany it. In no event shall the publisher and the author be liable for any loss of profit or any other commercial damage caused or alleged to have been caused directly or indirectly by this document.

Content subject to change without notice.

Please check Tobii Pro web site www.tobiipro.com for updated versions of this document.
# Table of Contents

1 Introduction .................................................................................................................. 1  
1.1 Intended use .............................................................................................................. 1  
2 System Overview .......................................................................................................... 2  
2.1 Pro Glasses 3 packages ............................................................................................ 2  
2.2 Optional accessories ............................................................................................... 2  
2.3 System components ................................................................................................ 3  
2.4 Head unit .................................................................................................................. 3  
2.5 Recording unit ......................................................................................................... 4  
2.6 Pro Glasses 3 controller application ........................................................................ 6  
3 Technical Specifications .............................................................................................. 7  
3.1 Eye tracking ............................................................................................................. 7  
3.2 Head unit .................................................................................................................. 7  
3.3 Recording unit ......................................................................................................... 7  
3.4 Corrective Lenses (optional) ................................................................................... 7  
3.5 Pro Glasses 3 controller application — minimum system requirements .................... 8  
Appendix A Safety .......................................................................................................... 9  
A1 General precautions .................................................................................................. 9  
A2 Usage warning .......................................................................................................... 9  
A3 Emergency ............................................................................................................... 9  
A4 Child warning .......................................................................................................... 9  
A5 Infrared warning ...................................................................................................... 10  
A6 Photosensitivity/epilepsy warning ........................................................................... 10  
A7 Mechanical shock .................................................................................................... 10  
A8 Bending ...................................................................................................................... 10  
A9 Do not open or disassemble .................................................................................... 10  
A10 Connectors ............................................................................................................. 10  
A11 Head unit cable ...................................................................................................... 10  
A12 Environment ......................................................................................................... 11  
A13 Safety and usage .................................................................................................... 11  
A14 Wireless warning ................................................................................................... 11  
A15 Transportation ........................................................................................................ 11  
A16 Accessories ............................................................................................................ 11  
A17 Cleaning .................................................................................................................. 11  
Appendix B Compliance Information ............................................................................. 12  
B1 EU Compliance ......................................................................................................... 12  
B2 US and Canada compliance ..................................................................................... 12  
B3 Electromagnetic compatibility compliance ............................................................. 13  
B4 Safety compliance ................................................................................................. 13  
B5 China regulatory information .................................................................................. 13  
B6 Japan regulatory information .................................................................................. 13  
B7 Korea regulatory information .................................................................................. 14
1 Introduction

1.1 Intended use

Tobii Pro Glasses 3 is a wearable eye tracker for academic, commercial, and industrial use for the capture of truly objective and deep insights into human behavior in a real-world environment. Pro Glasses 3 is designed to capture what the wearer is viewing while providing robust and accurate eye-tracking data. The complete Pro Glasses 3 product package consists of a head unit, a recording unit, and the Tobii Pro Glasses 3 controller application installed on an external device.

The product should only be used as described in the Pro Glasses 3 User Manual. Please read the Pro Glasses 3 User Manual and other supplied documentation thoroughly before using the product.

This product is continuously being developed and refined. Please visit www.tobiipro.com for the most recent specifications for the application and for the latest version of this document.
2 System Overview

2.1 Pro Glasses 3 packages

Pro Glasses 3 is sold in four different packages. All packages contain the following components:

<table>
<thead>
<tr>
<th>Component</th>
<th>Package 50</th>
<th>Package 100</th>
<th>Wireless Package 50</th>
<th>Wireless Package 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Head unit</td>
<td>Safety and compliance information</td>
<td>Carry case for Pro Glasses 3</td>
<td>Ethernet cable (3 meters)</td>
<td>USB Type-A to micro USB adapter cable</td>
</tr>
<tr>
<td>Recording unit</td>
<td>Carry case for Pro Glasses 3</td>
<td>Ethernet cable (3 meters)</td>
<td>Calibration cards (3 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
</tr>
<tr>
<td>SD card to USB Type-A adapter</td>
<td>Ethernet cable (3 meters)</td>
<td>Calibration cards (3 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
</tr>
<tr>
<td>Removable nose pads (4 pcs in different sizes)</td>
<td>USB Type-A to micro USB adapter cable</td>
<td>Calibration stickers (10 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
</tr>
<tr>
<td>Head strap</td>
<td>Cleaning cloth</td>
<td>Cleaning cloth</td>
<td>Calibration stickers (10 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
</tr>
<tr>
<td>Rechargeable Li-ion batteries, type 18650 (3 pcs)</td>
<td>Calibration cards (3 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
</tr>
<tr>
<td>Battery charger for Li-ion batteries with standard and 12v power cords (EU, US, UK, AUS)</td>
<td>Calibration stickers (10 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
<td>Calibration stickers (10 pcs)</td>
</tr>
<tr>
<td>USB charger for recording unit + power adapter plugs (EU, US, UK, AUS)</td>
<td>Ethernet to USB Type-C adapter</td>
<td>Ethernet to USB Type-C adapter</td>
<td>Ethernet to USB Type-C adapter</td>
<td>Ethernet to USB Type-C adapter</td>
</tr>
<tr>
<td>SD memory cards with cases (3 pcs)</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

The table below details the specific features available in each package.

<table>
<thead>
<tr>
<th>Components</th>
<th>Live View Package 50</th>
<th>Live View Package 100</th>
<th>Live View Wireless Package 50</th>
<th>Live View Wireless Package 100</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pro Glasses 3 controller application</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>50 Hz</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>100 Hz</td>
<td>●</td>
<td></td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>WLAN functionality</td>
<td></td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
<tr>
<td>Basic support</td>
<td>●</td>
<td>●</td>
<td>●</td>
<td>●</td>
</tr>
</tbody>
</table>

2.2 Optional accessories

The following optional accessories can be added to the Pro Glasses 3 system

<table>
<thead>
<tr>
<th>Component</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>Corrective Lenses</td>
<td>Snap-on corrective lenses for Tobii Pro Glasses 3 to cater for people who wear prescription lenses. The Corrective Lenses accessory for Pro Glasses 3 is a set of attachable lenses to correct both nearsightedness and farsightedness. This accessory allows you to include a larger cross-section of the population in your research. See the Pro Glasses 3 User's Manual for more information.</td>
</tr>
<tr>
<td>IR Blocking Safety Lenses</td>
<td>This accessory package contains two lenses (clear and tinted) that are compliant with safety glass standards to support research in bright environments and locations requiring eye protection.</td>
</tr>
</tbody>
</table>
2.3 System components

The Pro Glasses 3 system comprises the head unit, recording unit, and the Pro Glasses 3 controller application software installed on either a computer running Windows 10 or later, or on an Android device running version 9 or later. Each component is briefly described below. In addition, Tobii Pro Lab can be used for further analysis of eye-tracking data.

The system includes:

1. The head unit. Wearable eye-tracking glasses.

2. A recording unit, connected to the head unit via a head unit cable. The recording unit holds the battery and stores the recorded data on a SD memory card. The recording unit is controlled from a device running Pro Glasses 3 controller application.

3. Pro Glasses 3 controller application is used to manage the participants, start and stop recordings, and to view real time and recorded eye-tracking data.

4. Either computer running Windows 10 or later, or an Android device running version 9 or later with Pro Glasses 3 controller application installed. Pro Glasses 3 controller application connects to the eye tracker through an Ethernet connection (either wireless or wired).

5. Tobii Pro Lab\(^1\) (optional) installed on a Windows computer. Any eye-tracking analysis beyond qualitative analysis of eye-tracking session replay, is carried out using Tobii Pro Lab.

Pro Glasses 3 controller application is designed to be used only with Pro Glasses 3. No other types of eye trackers can or should be used together with the Pro Glasses 3 controller application.

Pro Glasses 3 controller application is designed to be installed and used on a computer running Windows 10 or later or an Android device running version 9 or later. The software should not be installed on any other types of devices.

2.4 Head unit

The head unit is a highly sophisticated measuring device. It consists of several very sensitive sensors and must be cared for correctly. See Pro Glasses 3 User’s Manual for more information on product care.

The head unit consists of the following parts:

\(^1\) Must be purchased separately.
<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. Infrared illuminators (x 8 per eye)</td>
<td>Illuminates the eyes to assist the eye-tracking sensors</td>
</tr>
<tr>
<td>2. Head unit cable</td>
<td>Connects to the recording unit to save collected data</td>
</tr>
<tr>
<td>3. High-definition scene camera</td>
<td>Captures a Full HD video of what is in front of the participant</td>
</tr>
<tr>
<td>4. Microphone</td>
<td>Picks up sounds from the participant and their immediate surroundings</td>
</tr>
<tr>
<td>5. Eye-tracking cameras (x 2 per eye)</td>
<td>Records eye orientation and movements</td>
</tr>
<tr>
<td>6. Accessory mounting holes</td>
<td>Used to attach some of the optional accessories, for example the IR Blocking Safety Lens</td>
</tr>
<tr>
<td>7. Nose pad</td>
<td>Can affix additional nose pad to change sizing</td>
</tr>
</tbody>
</table>

### 2.5 Recording unit

The recording unit is a small computer that controls the head unit. It records and stores eye-tracking data, sounds, and scene camera video on a removable SD memory card. The recording unit carries a replaceable and rechargeable Li-ion battery.
battery that supplies power to both the recording unit and the head unit. The recording unit has several connectors and a power button and is controlled from Pro Glasses 3 controller application.

**The recording unit consists of the following parts:**

<table>
<thead>
<tr>
<th>Part</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>1. HDMI connector</td>
<td>Connects to the head unit cable</td>
</tr>
<tr>
<td>2. Micro USB connector</td>
<td>Connects to USB charger for powering the unit and charging the battery</td>
</tr>
<tr>
<td>3. 3.5 mm connector for data synchronization</td>
<td>TTL pulse for synchronization with external data sources</td>
</tr>
<tr>
<td>4. Power button and LED power indicator</td>
<td>Touch button that turns the recording unit on and off. LED power indicator indicates power state and remaining battery power</td>
</tr>
<tr>
<td>5. SD card Activity LED</td>
<td>Indicates if SD memory card is present and if the recording unit is currently saving data to the SD card</td>
</tr>
<tr>
<td>6. Connection status LED</td>
<td>Indicates connection to the Pro Glasses 3 controller application.</td>
</tr>
<tr>
<td>7. LAN port</td>
<td>Connects to a device running the Pro Glasses 3 controller application, via the supplied Ethernet cable. The recording unit can also be connected to a device via WLAN.</td>
</tr>
<tr>
<td>8. SD memory card slot</td>
<td>Slot for SD memory card</td>
</tr>
<tr>
<td>9. Belt clip</td>
<td>Attaches the recording unit to participant’s belt</td>
</tr>
<tr>
<td>10. Battery compartment</td>
<td>Holds the Li-ion battery</td>
</tr>
</tbody>
</table>

The Pro Glasses 3 package contains an external SD card reader for use with computers that are not equipped with an internal SD card reader. For installation instructions, see the documentation in the SD card reader’s package or the manufacturer’s website.

2. Not available in the Tobii Pro Glasses 3 Live View Package
2.6 Pro Glasses 3 controller application

The Pro Glasses 3 controller application software is used to manage participants and recordings made using the recording unit. It can perform the following functions:

• Add participants
• Manage recordings
• Live view of ongoing recordings
• Instant replay of recordings
• One point calibration
• Configure WLAN settings and connect to existing networks
3 Technical Specifications

3.1 Eye tracking

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Eye tracking technique</td>
<td>Corneal reflection, dark pupil, stereo geometry</td>
</tr>
<tr>
<td>Binocular eye tracking</td>
<td>Yes</td>
</tr>
<tr>
<td>Sampling rate</td>
<td>50 Hz or 100 Hz</td>
</tr>
<tr>
<td>Calibration procedure</td>
<td>One point</td>
</tr>
<tr>
<td>Parallax compensation tool</td>
<td>Automatic</td>
</tr>
<tr>
<td>Slippage compensation</td>
<td>Yes, 3D eye tracking model</td>
</tr>
<tr>
<td>Pupil measurement</td>
<td>Yes, absolute measure</td>
</tr>
</tbody>
</table>

3.2 Head unit

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Material</td>
<td>Grilamid plastic, stainless steel, optical grade plastic</td>
</tr>
<tr>
<td>Nose pad</td>
<td>Grilamid plastic, with clip on attachments</td>
</tr>
<tr>
<td>Scene camera, video resolution</td>
<td>1920 × 1080 at 25 fps</td>
</tr>
<tr>
<td>Scene camera, video format</td>
<td>H.264</td>
</tr>
<tr>
<td>Scene camera, field of view (diagonal)</td>
<td>106 deg. 16:9 format</td>
</tr>
<tr>
<td>Scene camera, field of view (horizontal and vertical)</td>
<td>95 deg. horizontal / 63 deg. vertical</td>
</tr>
<tr>
<td>Weight</td>
<td>76.5 grams including cable</td>
</tr>
<tr>
<td>Frame dimensions (width ×depth ×height)</td>
<td>153 ×168 ×51 mm</td>
</tr>
<tr>
<td>Cable length</td>
<td>1200 mm</td>
</tr>
<tr>
<td>Audio</td>
<td>16 bit mono, integrated microphone</td>
</tr>
<tr>
<td>Design characteristics</td>
<td>Light weight and discreet</td>
</tr>
<tr>
<td>Number of eye tracking sensors</td>
<td>4 sensors (2 per eye)</td>
</tr>
<tr>
<td>Fixed geometry</td>
<td>Yes</td>
</tr>
<tr>
<td>Sensors</td>
<td>Gyroscope, Accelerometer, Magnetometer: ST™ LSM9DS1 (sampled at 100 Hz)</td>
</tr>
</tbody>
</table>

3.3 Recording unit

<table>
<thead>
<tr>
<th>Specification</th>
<th>Details</th>
</tr>
</thead>
<tbody>
<tr>
<td>Battery recording time</td>
<td>105 min.</td>
</tr>
<tr>
<td>Battery type</td>
<td>Rechargeable 18650 Li-ion, Capacity: 3 400 mAh</td>
</tr>
<tr>
<td>Storage media</td>
<td>SD (SDXC, SDHC) card</td>
</tr>
<tr>
<td>Connectors</td>
<td>Micro USB, RJ45 (Ethernet), 3.5 mm jack (sync port), head unit connector</td>
</tr>
<tr>
<td>Dimensions (height x width x depth)</td>
<td>130 x 85 x 27 mm</td>
</tr>
<tr>
<td>Weight</td>
<td>312 grams</td>
</tr>
<tr>
<td>Sync Port</td>
<td>3.5 mm jack (TTL signal)</td>
</tr>
</tbody>
</table>
3.4 Corrective Lenses (optional)

<table>
<thead>
<tr>
<th>Correction lenses</th>
<th>32 pieces., ranging from −5.0 dpt. to +3.0 dpt. in increments of 0.5 dpt. Made of optical-grade plastic with hard coating.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dimensions (height x width x depth)</td>
<td>80 x 270 x 370 mm (complete kit)</td>
</tr>
<tr>
<td>Weight</td>
<td>1150 grams (complete kit)</td>
</tr>
</tbody>
</table>

3.5 Pro Glasses 3 controller application — minimum system requirements

<table>
<thead>
<tr>
<th>Operating System</th>
<th>Windows 10 (32 bit and 64 bit)</th>
<th>Android 9 or later</th>
</tr>
</thead>
<tbody>
<tr>
<td>CPU</td>
<td>Intel® Core™ i5</td>
<td>n/a</td>
</tr>
<tr>
<td>Memory</td>
<td>8 GB RAM</td>
<td>6 GB RAM</td>
</tr>
</tbody>
</table>

3.5.1 Compatible Android devices

There is a very wide range of Android devices available on the market, each with their own unique combination of hardware specifications. While most devices that fulfill the minimum system requirements should be able to run the Glasses 3 controller application, Tobii Pro cannot guarantee they will do so. The following list shows the devices which have been tested and are confirmed to work with the Glasses 3 controller application.

<table>
<thead>
<tr>
<th>Device</th>
<th>Operating system</th>
</tr>
</thead>
<tbody>
<tr>
<td>Galaxy Tab S5e</td>
<td>Android 9</td>
</tr>
<tr>
<td>Galaxy S10</td>
<td>Android 9</td>
</tr>
<tr>
<td>Pixel 4 XL</td>
<td>Android 10</td>
</tr>
</tbody>
</table>
Appendix A  Safety

A1  General precautions

⚠️ The Pro Glasses 3 system is described in the Pro Glasses 3 User’s Manual and must be used according to the manufacturer’s instructions. Connecting any other component to the system, or using the components improperly can cause injury to the user or damage to the equipment and is done so entirely at the user’s own risk.

⚠️ The Pro Glasses 3 system must be fitted on the test participant according to instructions in the Pro Glasses 3 User’s Manual. Tobii Pro or its agents are not liable for damage or injuries to a person or their property due to a Pro Glasses 3 eye tracker system in any configuration being dropped. Fitting the Pro Glasses 3 onto a test participant is done entirely at the user’s own risk.

⚠️ The Pro Glasses 3 system is to be used for research purposes only. Be aware that due to the low, but possible risk of failure or distraction, the Pro Glasses 3 should not be relied upon or used in dangerous or otherwise critical situations.

⚠️ Tobii Pro Glasses 3 head unit is equipped with a head strap to enable tighter mounting of the eye tracker onto the wearer’s head. Neither Tobii Pro nor its agents are liable for damages or injuries to a person or their property caused by the Pro Glasses 3 head unit head strap.

A2  Usage warning

⚠️ The Pro Glasses 3 system is composed of several components as described in the User’s Manual and should be used according to manufacturer instructions. Connecting, or by other means using any other component than advised in the User’s Manual may damage or injure a person, their property or recorded data, and is done entirely at the user’s own risk.

⚠️ Pro Glasses 3 eye tracker should be fitted on the test participant according to manufacturer instructions. Tobii Pro or its agents are not liable for damage or injuries to a person or their property due to a Pro Glasses 3 eye tracker being dropped in any configuration. Fitting the Pro Glasses 3 onto a test participant is done entirely at the user’s own risk.

⚠️ Pro Glasses 3 head unit is equipped with a head strap to enable tighter mounting of the eye tracker onto the wearer’s head. Neither Tobii Pro nor its agents are liable for damages or injuries to a person or their property caused by the Pro Glasses 3 head unit head strap.

A3  Emergency

⚠️ The Pro Glasses 3 system is to be used for research purposes only. Be aware that due to the low, but possible risk of failure or distraction, the Pro Glasses 3 should not be relied upon or used in dangerous or otherwise critical situations.

A4  Child warning

⚠️ The Pro Glasses 3 is an advanced computer system and electronic device that is composed of numerous separate, assembled parts. These parts have the possibility of becoming separated from the device, constituting a potential choking hazard or other danger to a child. Young children should not have access to, or use, the device without parental or guardian supervision.
A5  Infrared warning

Do not use the Pro Glasses 3 system when in the vicinity of devices that are susceptible to Infrared (IR) light. When activated, the Pro Glasses 3 head unit emits IR light, which can affect certain medical devices and other devices that are susceptible to disturbance by IR light and/or radiation.

A6  Photosensitivity/epilepsy warning

Some people with photosensitive epilepsy are susceptible to epileptic seizures or loss of consciousness when exposed to certain flashing lights or light patterns in everyday life. This may happen even if the person has no medical history of epilepsy or has never had any epileptic seizures. A person with photosensitive epilepsy would also be likely to have problems with TV screens, some arcade games, and flickering fluorescent bulbs. Such people may have a seizure while watching certain images or patterns on a monitor, or even when exposed to the light sources of an eye tracker. It is estimated that about 3-5% of people with epilepsy have this type of photosensitive epilepsy. Many people with photosensitive epilepsy experience an "aura" or feel odd sensations before the seizure occurs. If the participant starts to feel odd during use, have them remove the Pro Glasses 3 head unit immediately.

A7  Mechanical shock

The Pro Glasses 3 system is a delicate measuring instrument used for research purposes and should be treated with care at all times. To avoid breaking or damaging the internal electronic circuits, do not drop, knock, or shake the device. Eye-tracking quality or accuracy can be seriously affected if the Pro Glasses 3 head unit or recording unit are dropped. If the eye tracker is exposed to mechanical shock, for example, when dropped, do not try to start it or connect it to a power source. Contact Tobii Pro Support for instructions.

A8  Bending

To avoid breaking or damaging the internal electronic circuits, do not bend any part of the eye-tracking system. Eye-tracking quality or accuracy can be seriously affected if the Pro Glasses 3 head unit or recording unit has been bent.

A9  Do not open or disassemble

Do not open or disassemble the Pro Glasses 3 head unit or the recording unit. Non-compliance will result in loss of warranty! There are no user serviceable components inside. Contact Tobii Pro Technical Support if your Pro Glasses 3 system is not working properly.

A10 Connectors

The Pro Glasses 3 head unit and recording unit have numerous external interfaces (connectors). Connecting any other device or connector than those intended may cause personal injuries and/or damage the Pro Glasses 3. Tobii Pro or its agents are not liable for any damages or injuries to a person or their property due to connecting unintended connectors.

A11 Head unit cable

The head unit cable connected to the head unit must only be used to connect to the recording unit. Do not use the head unit cable for any other purpose or for connecting to any other devices. Tobii Pro or its agents are not liable for any damages or injuries to a person or property due to incorrect use of the head unit cable.
A12 Environment

Avoid any exposure to direct sunlight as this will affect eye tracking quality and longer exposure can overheat the equipment. Avoid prolonged exposure to any liquids, gels, moist, rain, or sweat. Do not use the eye tracker underwater.

Do not place or use the equipment in places subject to extreme temperatures and humidity, such as on top of and or near a heating element, in a hot or damp room, or in a hot automobile in the sun. Usage temperature: 5°C to +45°C / 23°F to 113°F

A13 Safety and usage

The Tobii Pro Glasses 3 head unit is designed to connect only to the Tobii Pro Glasses 3 recording unit and should not be connected to any other device.

The recording unit is designed to connect only to the head unit and a device running Windows 10 or later operating system, or an Android device with version 9 or later, and with the Glasses 3 controller application installed. The recording unit should not be connected to any other devices.

A14 Wireless warning

The recording unit contains radio transmitters and receivers (WLAN). Make sure that it is placed as far as possible from any equipment, objects or body parts sensitive to such signals.

電波法により5GHz帯は屋内使用に限ります。

A15 Transportation

Always use the supplied carry case and packaging material to transport the eye-tracking equipment and provide added protection.

A16 Accessories

Only use accessories provided by or approved by Tobii Pro.

A17 Cleaning

Before cleaning any part of the Pro Glasses 3 system, disconnect all cables and make sure the device is turned off. Both the Pro Glasses 3 head unit, recording unit, and Corrective Lenses have surface coatings that require special care. Only use the supplied microfiber cleaning cloth or similar products specially intended for cleaning screens or glass with a special coating. Avoid touching, scratching, or smudging the lenses on the Pro Glasses 3 head unit or the Corrective Lenses and keep all the surfaces clean. Eye-tracking quality may be degraded if surfaces are dusty or damaged. Some plastic parts, such as the sidepieces and the nose pads, can be cleaned with water or disinfectant applied on a piece of soft cloth. Take special care to ensure that there are not smudges or scratches covering either the illuminators or sensors in the lenses.
Appendix B  Compliance Information

B1  EU Compliance

B1.1  Conformity with EU directives
Tobii Pro AB declares that this device is in compliance with the essential requirements of the following EU directives:

- 2014/35/EU Low Voltage Directive (LVD)
- 2014/30/EU Electromagnetic Compatibility (EMC) Directive
- 2011/65/EU Restriction of Hazardous Substances (RoHS) Directive

B1.2  CE marking
All Tobii Pro Glasses 3 are CE-marked, indicating compliance with the essential health and safety requirements set out in European Directives.

B1.3  WEEE marking
Pro Glasses 3 is compliant with the Waste Electrical and Electronic Equipment (WEEE) Directive 2012/19/EU

B2  US and Canada compliance

B2.1  FCC interference and Industry Canada statement
Pro Glasses 3 recording unit has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. Tobii Pro Glasses 3 can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If Tobii Pro Glasses 3 does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by increasing the separation between Tobii Pro Glasses 3 and the receiver. Modifications not expressly approved by Tobii Pro AB could void the user’s authority to operate the equipment under FCC rules.

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

B2.2  ETL compliance

The Pro Glasses 3 recording unit complies with UL 60950-1 and CAN/CSA C22.2 No. 60950-1-07, certification number E180881.

B2.3  UL compliance
The Pro Glasses 3 recording unit E180881 is compliant with UL 508A.
B2.4 California proposition 65

This Pro Glasses 3 recording unit and battery can expose you to chemicals including carbon-black extracts and Nickel, which are known to the State of California to cause cancer. For more information, go to www.P65Warnings.ca.gov.

B3 Electromagnetic compatibility compliance

Pro Glasses 3 recording unit complies with the following emission standards:

- EN 55032:2012/AC:2013 Class B
- EN 61000-3-2:2013
- VCCI V-3/2014.04, Class B ITE
- KN 32

Pro Glasses 3 recording unit complies with the following immunity standards:

- EN 61000-6-1:2007
- KN 35

Pro Glasses 3 head unit complies with the following emission standards:

- EN 55032:2015
- VCCI CISPR 32:2016 (Class B)

Pro Glasses 3 head unit complies with the following immunity standards:

- EN 55035:2017

B4 Safety compliance

Pro Glasses 3 complies with the following standards:

- IEC/EN 62471:2008, Photobiological safety of lamps and lamp systems
- EN62311:2008, Specific Absorption Rate

Pro Glasses 3 head unit complies with the following standards:

- IEC 62368-1:2014 2nd Ed, Audio/video, information and communication technology equipment - Part 1: Safety requirements

Pro Glasses 3 recording unit complies with the following standards:


B5 China regulatory information

The Tobii Pro Glasses 3 recording unit and its operation comply with the following standards:

GB 4943.1-2011 (Chinese Standard)

B6 Japan regulatory information

The Tobii Pro Glasses 3 recording unit and its operation comply with the following standards:
• J60950-1(H22) (Japanese Standard)
The Pro Glasses 3 head unit complies with:
• J62368-1(H30) and IEC 62368:2014 2nd Edition

The Pro Glasses 3 recording unit complies with:
• Telefication, certification number 201-150060

B7 Korea regulatory information

The KC (Korea Certification) mark signifies compliance with Korea’s product safety requirements for electrical and electronic equipment and is issued by Korea-based certification bodies that have been approved by the Korea Standards Association.
Support for Your Tobii Pro Device

Get Help Online
Visit Tobii Pro Connect for help with your Tobii Pro device. It contains the latest information about contacting Support, links to our Learning Center, and much more. Visit connect.tobiipro.com

Contact Your Solution Consultant or Reseller
For questions or problems with your product, contact your Tobii Pro sales representative or authorized reseller for assistance. They are most familiar with your personal setup and can best help you with tips and product training. Visit tobiipro.com/contact