

Allegato 1 - Caratteristiche tecniche

1 Eye Tracking

Eye tracking technique	Corneal reflection, dark pupil
Binocular eye tracking	Yes
Sampling rate	50 Hz or 100 Hz
Calibration procedure	1 point
Parallax compensation tool	Automatic
Slippage compensation	Yes, 3D eye tracking model
Pupil measurement	Yes, absolute measure

2 Head Unit

Material	Grilamid plastic, stainless steel, aluminum
Protective lens	Plastic, in 2 versions: clear and tinted
Interchangeable lenses	Yes
Nose pad	Grilamid plastic, interchangeable
Scene camera, video resolution	1920 ×1080 at 25 fps
Scene camera, video format	H.264
Scene camera, field of view	90 deg. 16:9 format
Scene camera horizontal and vertical FOV (approx.)	82 deg. horizontal / 52 deg. Vertical
Weight	45 grams including protective lens
Frame dimensions (width ×depth ×height)	179 ×159 ×57 mm
Cable length	1200 mm
Visual field of view (frame obstruction)	More than 160 deg. horizontally, 70 deg. Vertically
Audio	Integrated microphone
Design characteristics	Light weight and discreet
Number of eye tracking sensors	4 sensors
Fixed geometry	Yes
Sensors	Gyroscope and accelerometer

3 Recording Unit

Battery recording time	120 min.
Battery type	Rechargeable 18650 Li-ion, Capacity: 3 400 mAh
Storage media	SD (SDXC, SDHC) card
Connectors	HDMI, Micro USB, 3.5 mm jack
Dimensions (height x width x depth)	130 x 85 x 27 mm
Weight	312 grams
Sync Port	3.5 mm jack (TTL signal)

4 Prescription Lenses (Option)

Correction lenses	34 pcs., ranging from -5.0 dpt. to +3.0 dpt. in increments of 0.5 dpt. Made of plastic with hard coating.
Magnetic lens attachment adapter	2 units, made of plastic
Dimensions (height x width x depth)	80 x 270 x 370 mm (complete kit)
Weight	1150 grams (complete kit)

5 Compliance

Ingress protection	IP class 20
CE - European Union	Yes
FCC - USA	Yes
CCC - China	Yes
VCCI - Japan	Yes
Eye Safety (EN 62471:2008)	Yes
Underwriters Lab US (UL 60950)	Yes

6 Compatible Software

Recording and live viewing	Tobii Pro Glasses Controller Software
Data analysis and export	Tobii Pro Lab Software