

Dikablis Glasses X

Factsheet^{V1}

Features & Availabilities

Mobile Head Mounted Eye Tracker

Dikablis X v1

Compatible with Prescription Glasses

Ergonomically Adjustable

Up to 240 Hz Data Acquisition

Shockproof & Lightway Design

Dikablis
Glasses X



*product visualisation: render - can differ from final product delivered



Prophea.X
compatible

Dikablis Glasses X



Dikablis
Glasses X

Frame

Weight (complete device)	78g
Material	Polyamid PA12 (PA 2200) Biocompatible according to EN ISO 10993-1 and USP/level VI/121 °C
Frame dimensions (width × depth × height)	169 x 206 x 66 mm
Connector	USB 3.0 Typ C
Cable length	180 cm
Adjusting range Field-Cam	16° up and 30° down
Adjusting range Eye-Cams	Dual pivot adjustment for more flexibility and/or if Subject wears glasses
Design	Designed to work over any kind of glasses
Stiffness-clip	Adjust hardness of frame around the temples
Pressure distribution pad	Enlargement of the contact surface on the head
Storage Temperature	-30 to 60°C
Working Temperature	-10 to 60°C (not Environment Temperature)
Power	DC 5V/1,5A

Field-Camera

Video Format	MJPEG/YUV
Image Sensor	1/2.7" Digital Color CMOS Camera Module
Resolution	1920 x 1080 @ 30Hz
Pixel Size (µm)	3.0 x 3.0
Image Area (mm)	5.76 x 3.24
Sensitivity (lux. sec)	22.3 Ke
Dynamic Range	71.4 dB
S/N Ratio	38 dB
Sensor Mode	Global Shutter
Lens	1.8 mm / F 2.2 (M12 x P0.5)
View Angle	D=128°; H110°; V95°
Focus Distance (mm)	Infinity
Adjustable parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White balance, Backlight Contrast, Exposure

Nose Pads

Four different nose pads included	Three different designs to fit all
Material	Polyamid PA12 (PA 2200) Biocompatible according to EN ISO 10993-1 and USP/level VI/121 °C Silicon Pad, system 3, One-piece pad, entirely made of non-allergenic silicone

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Eye-Cams

Video Format	MJPEG/YUV
Image Sensor	1/4" Digital B/W CMOS Camera Module
Resolution	1280 x 800 @ 120Hz, 640 x 400 @ 240Hz
Pixel Size (µm)	3.0 x 3.0
Image Area (mm)	3.89 x 2.45
Sensitivity (lux. sec)	6500 mV / uW @940nm; 13000mV / uW @ 850nm
Dynamic Range	68 dB
S/N Ratio	38 dB
Sensor Mode	Global Shutter
Lens	2.92 mm / F 2.2 (M6 x P0.25)
View Angle	D=76°
Focus Distance (mm)	FID 30-20-40
Adjustable parameters	Brightness, Contrast, Saturation, Hue, Sharpness, Gamma, White balance, Backlight Contrast, Exposure
IR Frequency	875nm
IR intensity	2x 17 mW/sr

Audio

One Microphone	16 bit mono, integrated microphone
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System Requirement

Software requirements	Life View & Recording: Prophea ^{dataengine} / Prophea ^{dataengine lite} *
	Analysis: Prophea ^{eye}
	Mobile Eye Tracking: Dikablis ^{Connect}
Hardware requirements	Mobile Eye Tracking 1x Transponder Smart Phone (Android)
	Desktop/Laptop PC Windows 11 capable

* included in any Dikablis Glasses X Package

Distribution Options

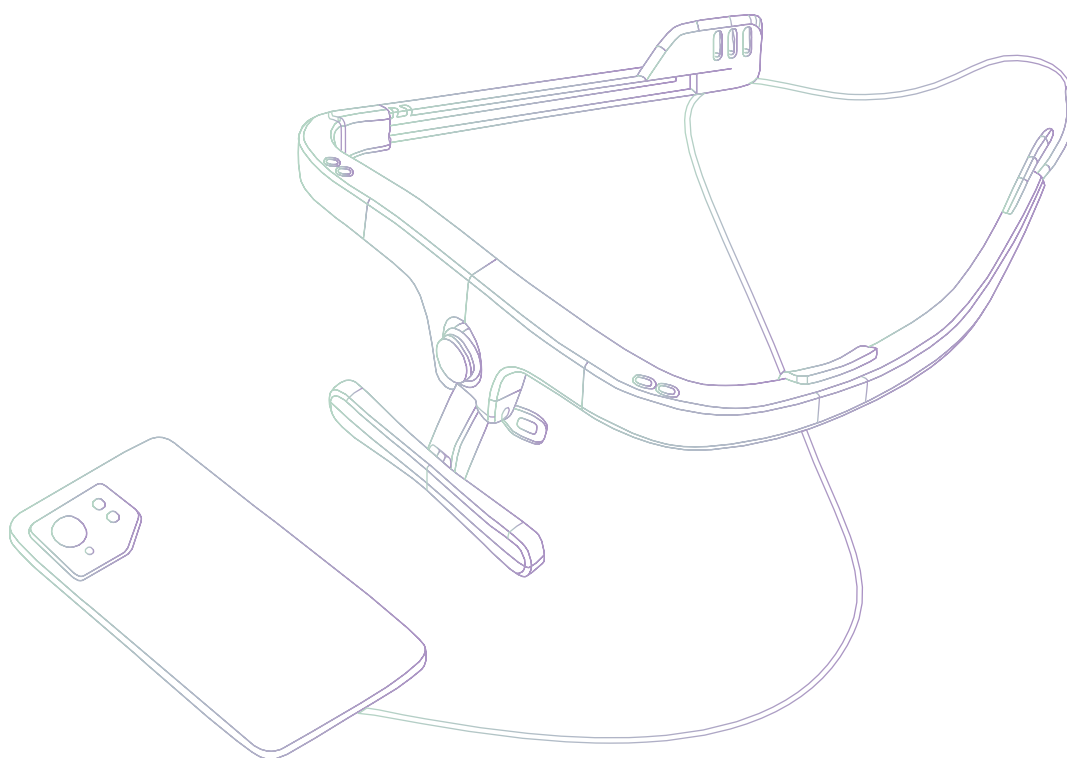
Cable- based package	1x Dikablis Glasses X (connector cable integrated) 4x Nose Pads 2x Stiffness-clip 2x Pressure distribution pads 1x Bar ends & 1x Head Band
Wireless package	1x Dikablis Glasses X (set as above) 1x Transponder Smart Phone (Android), Dikablis ^{Connect} Preinstalled

DikablisConnector



Wireless Processing & Transponding Unit

Device	ASUS ROG Phone 9 Pro, Preinstalled Dikablis Compability APP
Dimensions (wxdxh)	163.8 x 76.8 x 8.9 mm
Weight (complete device)	225g
OS	Android™ 14 with ROG UI
Processor	Qualcomm Snapdragon 8 Gen 3, SM8650, Qcta-core CPUs, 3.3GHz Qualcomm Adreno 750
Memory	LPDDR5X 16GB
Storage	UFS4.0 512GB
Wireless Technology	"802.11 be/ax/ac/a/b/g/n Supports 2.4GHz/ 5GHz/ 6GHz WiFi
Battery	Equivalent 5,500 mAh (typical) high-capacity battery, supports Quick Charge 5.0, PD Charging, and Qi 1.3 wireless charging



Connect with us for your individual consultation!



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