Dikablis Glasses X

Factsheet[V1]

Features & Availablities

Mobile Head Mounted Eye Tracker

Dikablis X V1

Compatible with Prescription Glasses
Ergonomically adjustable
Up to 120HZ Pupil Tracking
Shockproof & lightway design

Prophea.X compatible

*product pre-visualisation - final product details on delivery can differ

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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 Evironment Temperature)
Power	DC 5V/1,5A

Field-Cam

Video Format	MJEPG/YUV
Image Sensor	1/2.7" Digital Color CMOS Camera Module
Resolution	1920 x 1080 @ 60Hz
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-Cameras

Video Format	MJEPG/YUV
Image Sensor	1/4" Digital B/W CMOS Camera Module
Resolution	640 x 400 @120Hz
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	850nm

Audio

One Microphone	16 bit mono, integrated microphone

System Requirement

Software requirements	Live View & Rec.	Prophea[Data Engine / Prophea[Data Engine Lite *]
	Analysis:	Prophea[Eye]
	Mobile Eye Tracking:	Prophea[APP]
Hardware requirements	Mobile Eye Tracking	Smartphone (delivered by Ergoneers)
	Desktop/Laptop	

- Operating System: Windows 11 Professional
- Processor: Minimum Intel® Core™ 7, multi-core (more than 6)
- RAM: 16 GB (32 GB recommended for optimal performance)
- Storage: 5 GB of free disk space for the application and storage space for the projects (min 1TB or more)
- Display: 1920x1080 resolution or higher
- Graphics Card: Nvidia RTX 2000 (ADA) or higher with openCL compatible driver

To ensure your requirements align with your specific workflow, please contact our implementation consultants.

Distribution Options

Cable- based package	1x Dikablis Glasses X (connector cable integrated) 4x Nose Pads 2x Stiffness-clip 2x Pressure distribution pads
Wireless package	1x Dikablis Glasses X (set as above) 1x Smartphone (Android), Prophea[app] Preinstalled

* incl. in any Dikablis Glasses X Package

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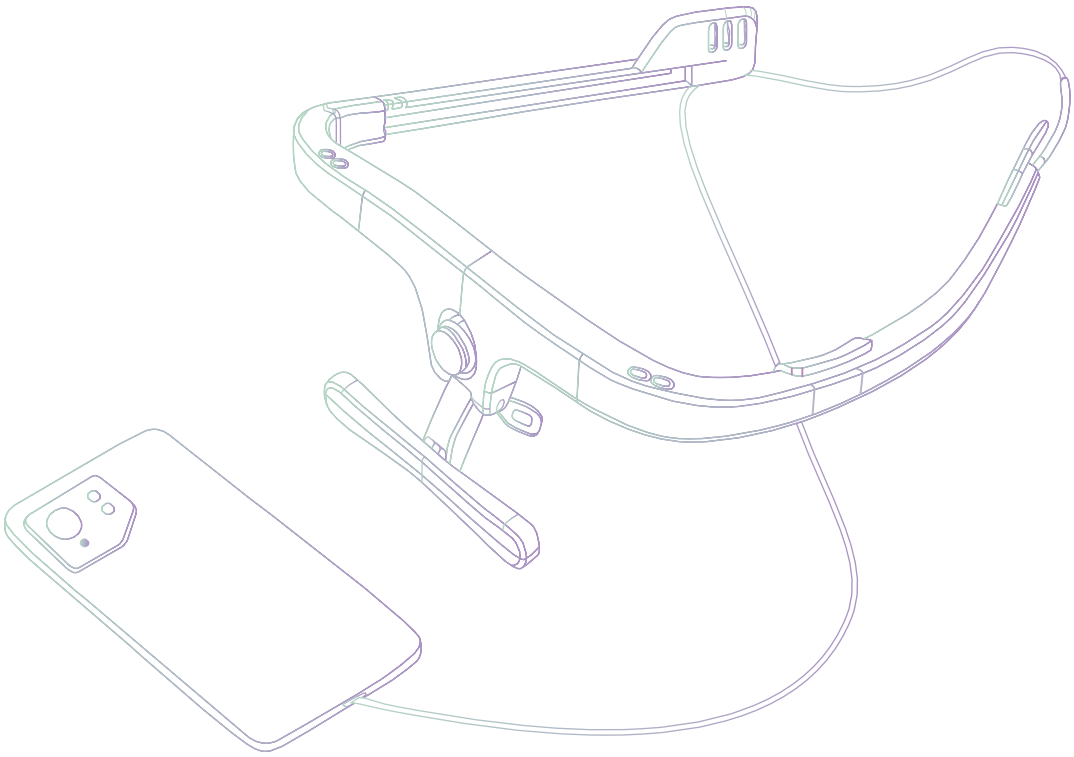
Dikablis Connect

Wireless Processing & Transponding Unit

Device	Android Smartphone, Dikablis Connect App preinstalled
Dimensions (w×d×h)	163.8 x 76.8 x 8.9 mm
Weight (complete device)	225g
Storage	UFS4.0 512GB
Wireless Technology	"802.11 be/ax/ac/a/b/g/n Supports 2.4GHz/ 5GHz/ 6GHz WiFi
Battery	Equivalent 5,800 mAh, Li-Polymer supports Quick Charge 5.0, PD Charging, and Qi 1.3 wireless charging



Connect with us for your individual consultation!

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