

# Dikablis Glasses X

Factsheet<sup>V1</sup>

Features & Availabilities

Mobile Head Mounted Eye Tracker

## Dikablis X v1

Compatible with Prescription Glasses

Ergonomically adjustable

Up to 120HZ Pupil Tracking

Shockproof & lightway design

Dikablis  
Glasses **X**



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



Prophea.X  
compatible

# Dikablis Glasses X



Dikablis  
Glasses **X**

## Frame

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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-Cam

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Video Format	MJPEG/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

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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

# Dikablis Glasses X



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## Eye-Cameras

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Video Format	MJPEG/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

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One Microphone	16 bit mono, integrated microphone
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## System Requirement

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Software requirements	Live View & Rec.      Prophea <sup>Data Engine /</sup> Prophea <sup>Data Engine Lite *</sup>
	Analysis:                      Prophea <sup>Eye</sup>
	Mobile Eye Tracking:      Prophea <sup>APP</sup>
Hardware requirements	Mobile Eye Tracking      Smartphone (delivered by Ergoneers)
	Desktop/Laptop
	System Recommendations
	<ul style="list-style-type: none"> <li>• Operating System: Windows 11 Professional</li> <li>• Processor: Minimum Intel® Core™ 7, multi-core (more than 6)</li> <li>• RAM: 16 GB (32 GB recommended for optimal performance)</li> <li>• Storage: 5 GB of free disk space for the application and storage space for the projects (min 1TB or more)</li> <li>• Display: 1920x1080 resolution or higher</li> <li>• Graphics Card: Nvidia RTX 2000 (ADA) or higher with openCL compatible driver</li> </ul>
	<b>To ensure your requirements align with your specific workflow, please contact our implementation consultants.</b>

## Distribution Options

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

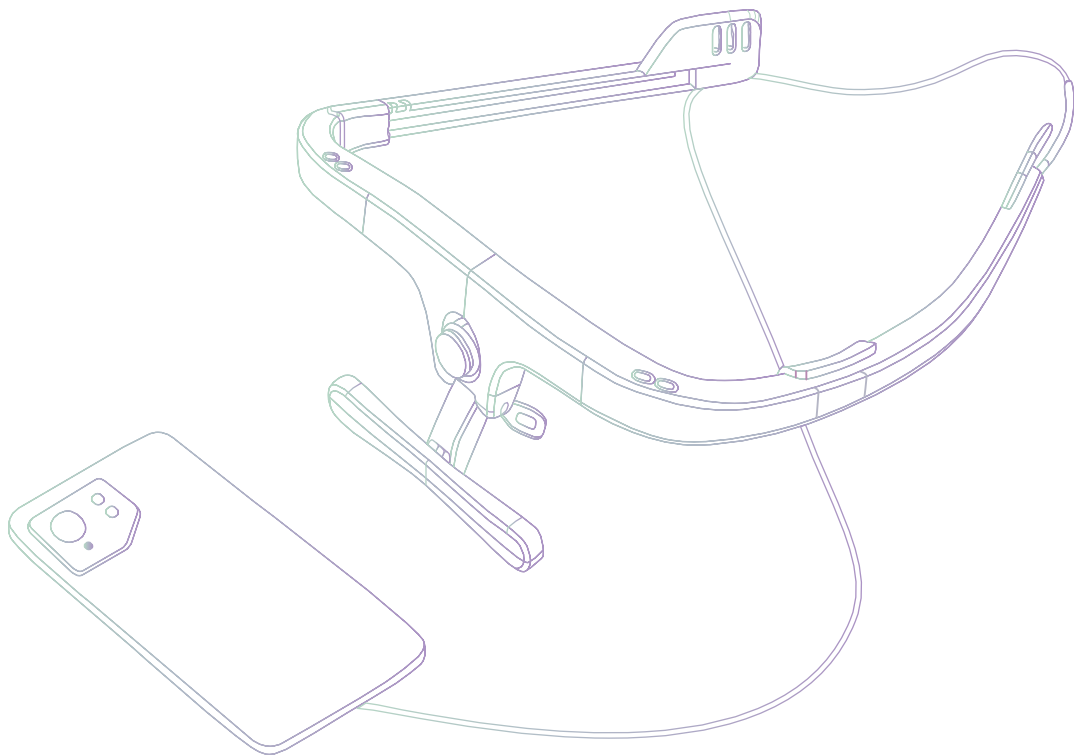
\* incl. in any Dikablis Glasses X Package

# Dikablis<sup>Connect</sup>



Wireless Processing & Transponding Unit

Device	Android Smartphone, Prophea <sup>APP</sup> 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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