



Iristick.G1 Smart Safety Glasses

Android and iOS compatible



Smart glasses portfolio built for every professional use case

The Iristick **smart safety glasses product portfolio** is designed specifically for various professional environments like field services, manufacturing, telemedicine and logistics, where safety, comfort, ruggedness and reliability are critical. The **Iristick.G1 looks like a normal pair of glasses** and is designed for maximum wearer comfort and specific use cases. **Other products in our portfolio** can be found on our website.

Hands-free guidance (including voice commands)

Wearable remote guidance reduces the time and cost of bringing experts to remote locations. Iristick's centrally positioned camera gives a true view of the operator's perspective while communicating instructions through **audio** and **visual** via the head-mounted display. Unlike other mobile solutions, Iristick **allows continuous hands-free remote assistance during a full shift**.

First time right

Adding visual information has proven to improve work execution and training, making Iristick ideal for complex logistics, technical services, production and healthcare services. Operators can walk the shop or production floor with both visual and audio queues without being burdened by additional handheld devices. The **Iristick.G1 development SDK** is the interface for off-the-shelf or bespoke software, enabling for example: virtual factory acceptance tests, guided logistics, digital field inspections, virtual quality inspections and remote proctoring.

Iristick.G1 6x optical zoom

The Iristick.G1's zoom module with its **6x optical zoom** lens is ideal for focusing on important details. Operators can keep a safe distance while sharing critical information with remote experts who can analyze the details. Additionally, the **built-in laser, flash LED** and soft scanner can **detect 3cm barcodes** at 1.5 meters distance.

Long-term and secure investment (iOS/Android)

The Iristick.G1 is compatible with both Android and iOS smartphones. This ensures increased processing power, long battery lifetime and standardized app-development. The Iristick.G1 is a standard managed edge device that integrates seamlessly with any MDM-system and **follows all corporate IT or security standards**.

Safe and comfortable

For Iristick, the wearer safety and comfort is paramount. Thanks to the pocket unit and phone connection, there is **minimal heat dissipation and electromagnetic radiation near the temple**. The Iristick.G1 is lightweight while being certified safety glasses. The display is mounted on a patented 3-axis arm providing a **stable image** and allowing it to be pivoted completely out of the field of view if needed. Adjustable nose pads and flexible temple tips optimize fit and tinted or prescription lenses can be mounted inside the glasses.

www.iristick.com



PRODUCT SPECIFICATION

IRISTICK.G1 IRISTICK.G1 PRO

GLASSES

		IRISTICK.G1	IRISTICK.G1 PRO
Weight	77 g	77 g	
Width	16,4 cm	16,4 cm	
Height	4,5 cm	4,5 cm	
Length	20 cm	20 cm	
Comfort	Adjustable nose pads, bendable temple tips and prescription and sunglass lens compatible	✓	✓
Gyroscope	9-axis sensor (accelerometer, gyroscope, compass)	✓	✓
Resolution	428 x 240 WQVGA	✓	✓
Video	Up to 60 FPS	✓	✓
View	3-axis adjustable for user specific IPD	✓	✓
Safety	Pivots out of sight for unobstructed view	✓	✓
Sound	Integrated speaker near right ear	✓	✓
Microphone	Dual microphones with beamforming optimization	✓	✓
Earpiece connection	2.5mm audio jack	✓	✓
Touch	Touchpad for user input	✓	✓
Voice commands	Multilingual voice commands (ANC up to 90 dB)	-	✓
Imager	5MP 4:3 aspect ratio	✓	✓
FOV	Fixed focus wide angle (84° diagonal)	✓	✓
Video	Full HD 30FPS	✓	✓
Imager	5MP 4:3 aspect ratio	✓	✓
FOV	16°	✓	✓
Video	720p 30FPS	✓	✓
Zoom	6x optical zoom with liquid lens for fast autofocus	✓	✓
Barcode scanner	Basic : QR, EAN-13	✓	✓
Barcode scanner PRO	Advanced: 2D, Aztec, multiple barcodes	-	✓
Laser	Class 1 (eye-safe)	✓	✓
Flash LED	High-power, collimated on scene	✓	✓
Power	13.3 Wh	✓	✓
Autonomy	5h+ at full performance	✓	✓
Charging	Fully recharged in 1,5 hour, hot-swappable	✓	✓
Dimensions and weight	7.2cm x 16cm x 1cm / 157g	✓	✓
Mobile phone requirements	Android 8 or higher, USB Type-C connector iOS iPhone 8 or higher with iOS 12.0 or higher	✓	✓
Safety glasses	USA (ANSI-Z87) EU (EN-166S)	✓	✓
Supplied accessories	- Protective safety case - Pocket unit charger - Coax cable to connect glasses with pocket unit - 2.5 mm earpiece (mono with microphone)	✓	✓
SDK	https://developer.iristick.com/latest	✓	✓

Last update March 2021

DISPLAY

INPUT

CAMERA

ZOOM MODULE

POCKET UNIT

OTHER

SDK

iristick



For more information, visit us at www.iristick.com