



Because focus matters

Studies show smart glasses significantly improve speed, efficiency and accuracy by empowering operators with up to date information. The Iristick smart safety glass product line is **designed specifically for industrial and complex logistic environments** where safety, comfort, ruggedness and reliability are critical.

Hands-free guidance (including voice commands)

Wearable remote guidance reduces the time and expense 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 a visual information has proven to improve process execution, training and documentation, making Iristick ideal for complex logistics, technical services and production. Operators can walk the shop or production floor with both visual and audio queues without being burdened by additional handheld devices. The **Iristick development SDK** provides all the tools needed to build or support customized applications for operations, logistics, maintenance, quality inspections or for asset and infrastructure control.

Iristick.Z1 6x optical zoom

The Iristick.Z1'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 and remote experts can drill down. In addition this module includes a **built-in laser** and **flash LED** and is capable of reading 3cm barcodes at a distance of 1.5 meters.

Longterm investment (iOS and Android compatible)

The Iristick **connection to an Android or iOS mobile phone** not only supports a long battery life but also adds processing power and flexibility to software applications. Future operating systems and mobile hardware will also be compatible continuing to improve the performance and protecting your investment.

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 is lightweight while being certified safety glasses. The display includes a patented 3-axis head-mounted display adjustment allowing it to be pivoted completely out of view. Adjustable nose pads and flexible temple tips optimize fit and tinted or prescription lenses can be mounted inside the glasses.



**IRISTICK
PREMIUM**

**IRISTICK
ESSENTIAL**

**IRISTICK
BASIC**

PRODUCT SPECIFICATION

		IRISTICK PREMIUM	IRISTICK ESSENTIAL	IRISTICK BASIC	
GLASSES	Weight	77 g	77 g	62 g	
	Width	16,4 cm	16,4 cm	15,2 cm	
	Height	4,5 cm	4,5 cm	4,5 cm	
	Length	20 cm	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	✓	✓	✓
DISPLAY	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	✓	✓	
INPUT	Microphone	Dual microphones with beamforming optimization	✓	✓	
	Earpiece connection	2.5mm audio jack (optional earpiece and microphone)	✓	✓	
	Touch	Touchpad for user input	✓	✓	
	Voice commands	Multilingual voice commands (usable up to 90 dB)	✓	✓	
CENTRAL CAMERA	Imager	5MP 4:3 aspect ratio	✓	✓	
	FOV	Fixed focus wide angle (84° diagonal)	✓	✓	
	Video	Full HD 30FPS	✓	✓	
ZOOM CAMERA	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	✓	✓	
		Advanced: 2D, Aztec, multiple barcodes	✓	✓	
	Laser	Class 1 (eye-safe)	✓	✓	
Flash LED	High-power, collimated on scene	✓	✓		
POCKET UNIT	Power	13,3 Wh	✓	✓	
	Autonomy	5h+ at full performance	✓	✓	
	Charging	Fully recharged in 1,5 hour, swappable	✓	✓	
	Dimensions and weight	7,2cm x 16cm x 1cm / 157g	✓	✓	
OTHER	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	SDK	https://developer.irstick.com	✓	✓	

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