Smart safety glasses

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

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 assistance for 8 hours or more**.

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 5x optical zoom

The Iristick.Z1's zoom module with its **5x optical zoom** lens is ideal for focusing on important details. Operators can keep 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

The Iristick connection to an Android 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 temple**. The Iristick is lightweight while being safety glass certified. 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 glass.

PRODUCT SPECIFICATION		IRISTICK.Z1	IRISTICK.C1
GLASSES			
Weight		71 g	62 g
Width		17 cm	15.2cm
Height		4.5 cm	4.5 cm
Length		20 cm	20 cm
Comfort	Adjustabe nose pads, bendable temple tips and pre-scription and sunglass lens compatible	✓	✓
Gyroscope	9-axis sensor provides accelerometer, gyroscope and compass sensory data with update rate 100Hz . Separate outputs or absolute position available via SDK.	✓	✓
DISPLAY			
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	✓	✓
INPUT			
Sound	Integrated speaker near right ear	✓	✓
Microphone	Quad microphone array for improved voice extraction	✓	✓
Earpiece connection	For noisy environments 2.5mm audio jack for optional earpiece and microphone	✓	
Touch	Touchless finger gesture zone 4 gestures to control micro user interfaces	✓	✓
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	13°	✓	
Video	720p 30FPS	✓	
Zoom	5x optical zoom with liquid lens and autofocus	✓	
Scanner	Barcode scanning EAN-13 (3cm at 1,5m distance)	✓	
Laser	Class 1	✓	
Flash LED	High-power, collimated on scene	✓	
POCKET UNIT			
Power	12W	✓	✓
Autonomy	8 hours autonomy at full performance	✓	✓
Charging	Fully recharged in 2 hours, swappable	✓	✓
Dimensions and weight	7.2cm x 16cm x 1cm 170g	✓	✓
OTHER			
Mobile phone requirements	Android 7 or later with type C connector	✓	✓
Safety glass	ANSI Z87.1 EN-166	✓	✓
Operating temperature	10 - 30C for performance, 0 - 40C for safety	✓	✓
Supplied accesories	- Protective safety case - Battery charger - Silicon sleeve cable to pocket unit and magnetic plate - (mobile phone and software not included)	✓	✓

Comm-Co B.V.
Kreekzoom 9, 4561 GX, Hulst
The Netherlands
Tel: +31 114-370030
Email: info@comm-co.com

COMM-CO
Communication today and tomorrow