

Moverio BT-45C



The Moverio BT-45C see-through binocular smart glasses set a new standard of user experience in industrial applications.

Based on Epson's revolutionary Si-OLED technology, the all-new BT-45C smart glasses seamlessly blend digital content into a real-world environment. Featuring a headband-style headset for outstanding comfort, plus helmet clip attachment, they are compliant with international safety and durability standards, making them ideal for remote assistance, workflow guidance and training.

Revolutionise industrial workflows

Empower your workforce with enhanced knowledge sharing using the BT-45C smart glasses. With a hands-free display, a centred HD camera and integrated audio, two-way communication is stunningly clear and can be used to complete complex tasks with exceptional speed and efficiency in industrial environments.

Advanced optics

The Full HD display provides excellent colour reproduction and high transparency, ideal for step-by-step guidance and overlaying instructions.

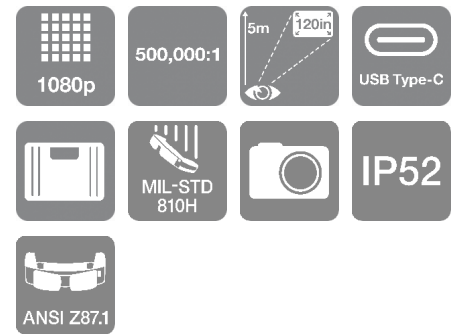
Ergonomic and durable

The BT-45C is compliant with MIL-STD-810H drop test¹ and IP52 standards, combining a robust construction with an ergonomic and comfortable design.

Simple connectivity

Featuring USB Type-C² connectivity, allowing simple plug-and-play integration with a wide range of compatible devices like smartphones and mini-PCs.

DATASHEET / BROCHURE



KEY FEATURES

- **High visual and audio quality**
Centred HD 8MP front-facing camera with autofocus and built-in audio
- **Hands-free, wearable display**
With flip-up design for when the display is not in use
- **Rugged but comfortable**
A highly robust yet comfortable design with over-the-glasses support
- **Simple and wide connectivity**
Connects to compatible USB Type-C² devices with a single cable
- **Proven durability and safety**
MIL-STD-810H drop test¹, IP52 and ANSI Z87.1 compliant

PRODUCT SPECIFICATIONS

OPTICAL

Model Type	See-through binocular OTG (Over the Glasses)
Optical technology	Si-OLED (Silicon - Organic Light-Emitting Diode)
Panel size	0.45 inch wide panel (16:9)
Pixel Number	2,073,600 pixels (1,920x 1,080) x RGB
Field of View	Approx. 34 °
Screen Size (Projected Distance)	120 inches at 5 m
Colour Reproduction	24-bit colour (16.77 million colours)
Refresh rate	60 Hz
3D support	Side By side
Contrast ratio	500,000 : 1

HEADSET SENSORS

Camera	8 million pixels
Camera Autofocus	Yes
Compass	Yes
Gyroscope	Yes
Accelerometer	Yes
Ambient Light Sensor	Yes

HEADSET CONNECTIVITY

Connection type	USB Type-C
Video Interface	Display Port Alternate Mode
Display Port Version	1.2
Audio Interface	3.5mm audio jack

SOUND OUTPUT

Sensitivity level	80 dB/mW
Impedance	16 ohm

GENERAL

Operating Temperature	5 °C - 35 °C, 20 % - 80 % Humidity
Dimensions: Headset	290 mm x 200 mm x 57 mm (D x W x H) (without light shielding) (without headband)
Weight Headset	550 g
Storage Temperature	-10 °C- 60 °C / 10 %- 90 % (no condensation)

OTHER

Warranty	24 months Carry in
----------	--------------------

LOGISTICS INFORMATION

SKU	V11H970040
EAN code	8715946710525
Country of Origin	China

Moverio BT-45C

WHAT'S IN THE BOX

- Headset
- Quick Start Guide
- Screw Set
- Shade
- Safety and support guide
- Carrying Case



For more information please contact:

Home users: 0343 90 37766
Business users*: 0871 42 37766
Republic of Ireland: 01 436 7742
Or visit us at <https://www.epson.co.uk/contactus>
* 10p per minute plus network extras.

Web: www.epson.co.uk
www.epson.ie

Trademarks and registered trademarks are the property of Seiko Epson Corporation or their respective owners.
Product information is subject to change without prior notice.
Last extracted: 2022-08-26

1. MIL-STD-810H drop test applies to the BT-45C/BT-45CS headset and measures drops from 122cm in 26 directions. It measures compliance in the test environment and does not guarantee there will be no damage or failure.
2. The Moverio BT-45C/BT-45CS supports video output via USB Type-C with devices that support DisplayPort Alternate Mode. Please check your device specifications, visit Epson's FAQ pages or contact an Epson representative for device compatibility details.

EPSON®