

Moverio BT-45C

DATASHEET / BROCHURE



Based on Epson's groundbreaking Si-OLED technology, the next-generation Moverio BT-45C binocular smart glasses set a new standard of user experience in commercial and industrial applications.

Our revolutionary Si-OLED micro-projection technology delivers industry-leading display quality, seamlessly blending digital content into a real-world environment through vibrant colours and an outstanding contrast ratio. Giving you the ability to see only the content you need to see, the wide (34-degree) field of view of the BT-45C makes these smart glasses the perfect solution for a wide range applications in manufacturing, automotive, telecoms and maintenance industries.

Easy real-time remote assistance

Sharing a user's point of view (POV) remotely has never been easier. With its centred HD 8MP front-facing camera, the BT-45C lets remote experts see what the wearer sees with stunning clarity, even when the display is flipped up. What's more, the camera's auto focus function quickly switches to even the smallest details effortlessly. And, with its built-in speaker and noise cancellation microphones, the BT-45C makes it easy to maintain high-quality two-way communication without the need for external audio devices. By using the Moverio BT-45C hands-free display as part of a remote assistance solution, you can help to improve response times, increase productivity and enhance customer satisfaction – all while reducing costs and carbon footprint.

Outstanding visual quality and viewing comfort for workflow guidance

However complex the task, with its hands-free wearable display the BT-45C enables you to complete it with exceptional speed and efficiency. Its Full HD 1080p see-through binocular display is equivalent to viewing a 120" screen from a distance of 5m, and with a 34-degree field of view and 500,000:1 contrast ratio, details are exceptionally crisp and clear. With the ability to overlay the information you need, providing visual guidance has never been easier or more effective.

Robust, intuitive, comfortable

Based on a decade of customer feedback, the all-new Moverio BT-45C combines advanced, hands-free wearability with the very highest standard of optical performance. By connecting to compatible external devices via USB-C¹, the headband-style headset is free of processing and battery components, allowing users to benefit from a wearable display with a high level of comfort. Featuring an ergonomic, flip-up design, plus over-the-glasses support, helmet clip attachment and an excellent weight distribution, Moverio industrial smart glasses are easy to use and comfortable to wear - even for extended periods of time.

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 at5 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
----------	--------------------

Moverio BT-45C

WHAT'S IN THE BOX

- Headset
- Quick Start Guide
- Screw Set
- Safety and support guide
- Carrying Case
- ANSI Shade x2
- IF box holder
- Helmet clip

OPTIONAL ACCESSORIES

- Moverio Controller Holder - BO-CH400
V12HA59W01
- Moverio BT-45C/BT-45CS Headpad Pack - BO-IP450
V12HA91W01
- Moverio BT-45C/BT-45CS Shade Pack - BO-SP450
V12HA61W01

LOGISTICS INFORMATION

SKU	V11H970040
EAN code	8715946710525
Country of Origin	China
Layer	4 Units

Moverio BT-45C

EPSON EUROPE B.V.
Organizační složka
Greenline Kaerov, Jihlavská 1558/21
140 00 Praha - Michle
Česká republika

Infolinka: +420 246 037 281
www.epson.cz

Ochranné známky a registrované ochranné známky jsou vlastnictvím společnosti Seiko Epson Corporation nebo jejího příslušného vlastníka.
Informace o produktu mohou být změněny bez předchozího upozornění.

1. 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.
2. 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.

EPSON®