

# Moverio® BT-40 Smart Glasses with USB Type-C Connectivity

Smart Glasses



## Plug-and-play, second-screen, augmented reality smart glasses.

**Outstanding image quality** — Epson's Si-OLED technology delivers excellent color reproductions; Full HD 1080p resolution enhances every detail; wide 34-degree field-of-view gives users the experience of viewing a 120" screen from 16' away

**Fully transparent, dual (binocular) displays** — keep an eye on your surroundings, even while viewing content from your glasses

**Seamless integration of digital content with the outside world** — contrast ratio of up to 500,000:1 allows unused display space to appear truly transparent

**Durable, flexible and comfortable design** — easy to wear, even for extended periods, due to durable soft temple design and large contact surface for better weight distribution; temple spring mechanism offers added flexibility; fits a wide range of head sizes and over prescription eyewear

**Works with smartphones, tablets, laptops and more** — easily view content from virtually any device via a single USB Type-C port

**Packed with sensors** — GPS, gyroscope, accelerometer and compass sensors to enable location tracking, head tracking and motion tracking, making it ideal for 360-degree, hands-free AR apps and more

**Easy plug-and-play operation** — just plug it in and begin viewing content; or, control content via the free Moverio Link app

**Heads-up, hands-free experience** — view games, apps and other content from any mobile or USB-C compatible device<sup>1</sup> without having to hold the device right in front of you

**Works both indoors and outdoors** — attachable magnetic shade; ambient light sensor detects the surrounding brightness and automatically adjusts the display brightness to the optimum settings

**Display**

**Display Device Type** Si-OLED (Silicon-Organic Light-Emitting Diode)  
**Brightness** 1000 cd/m<sup>2</sup> (MAX)  
**Contrast** 500,000: 1  
**Transmittance**  
 Headset 40%  
 Shade 2%  
**Display Size** 0.453-inch-wide panel  
**Pixel Number** 2,073,600 pixels (1920x1080xRGB)  
**Refresh Rate** 60 Hz  
**Field of View** 34 degrees (diagonal)  
**Screen Size (Projected Distance)** 120 inch at 5 m  
**Color Reproduction** 24-bit color (16.77 million colors)

**Sensors**

**Compass** Yes  
**Gyroscope** Yes  
**Accelerometer** Yes  
**Ambient Light Sensor** Yes

**Data Transfer Method**

**USB Protocol:** USB 2.0  
**Device Class for Sensor:** HID1.11

**Video Input**

**USB Type-C**  
 Video I/F: DisplayPort Alternate Mode (DP Alt Mode)  
 DisplayPort: Version 1.2  
 Resolution: 1080p FHD/60Hz  
 EDID: Supported  
 HDCP: Supported

**Sound Input/Output**

**Audio** 3.5 mm Audio Jack (CTIA standard earphones with microphone compatible)

**Audio Output**

Impedance: Over 16Ω  
**USB Type-C**  
 USB Protocol: USB 2.0  
 Data Type: Sensor Data, Headset API Control, Firmware Update  
 Device Class for Sensor: UAC 2.0

**Other**

**Supported 3D Format** Side-by-side Format (using the Utility application software)  
**Firmware Update Supported** Requires connecting to PC by USB Type-C  
**Supported the OS for host device (USB Type Connection)**  
 Windows 10® (depends on supported status of USB Type-C on connected device), Android™ 8.0 or later

**General**

**Operating** 41 °F to 95 °F (5 °C to 35 °C)  
**Humidity (Operating)** 20% to 80%  
**Temperature (Storage)** 14 °F to 140 °F (-10 °C to 60 °C)  
**Humidity (Storage, Unfrozen)** 10% to 90%  
**USB Power Delivery**  
 Revision: 3.0  
 Input: [5.0] V [0.9]A  
**Waterproof** IPx2 (except for USB port)  
**Headset Dimensions (W x D x H)** 194 mm x 164 mm x 41 mm (without shade)  
**Controller Dimensions (W x D x H)** 32 mm x 62 mm x 20 mm  
**Headset Weight** Approx. 3.4 oz

**What's in the Box**

USB Cable, Dark Shade, User Guide, Safety Instructions

**Language**

**OSD** English  
**Language** EN/JA/FR/ES/PT/DE/IT/NL/ZHT/UK/DA/FI/NO/SV/CS/PL/HU/TR/RU/AR/KK

**Developer Resources**

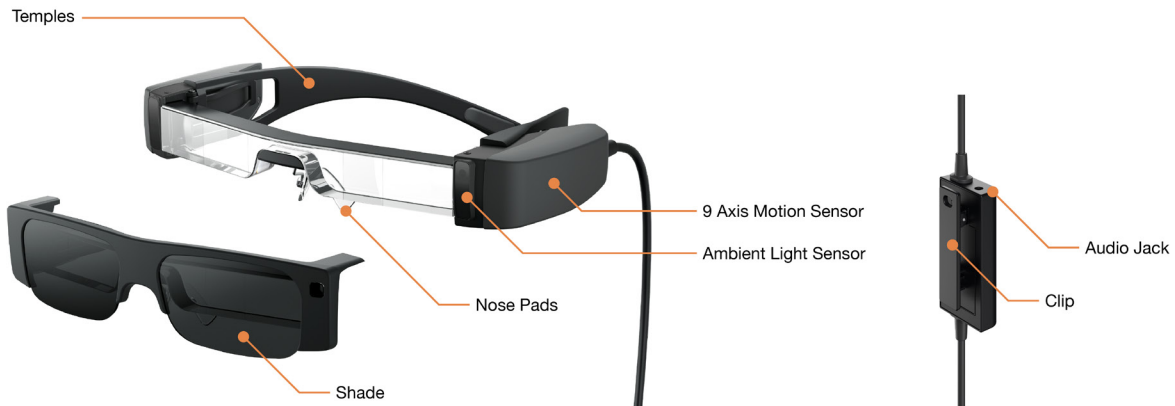
**Developer Portal** <https://tech.moverio.epson.com/en/>  
**Videos/Webinars** [www.youtube.com/moverio](http://www.youtube.com/moverio)

**Eco Features**

RoHS compliant  
 Recyclable product<sup>2</sup>  
 Epson America, Inc. is a SmartWay® Transport Partner<sup>3</sup>

**Ordering Information**

Moverio BT-40 Smart Glasses	V11H969020
Moverio BT-40 3 Nose Pad Pack	V12HA51W01
1 OTG Nose Pad Pack	V12HA50W01
Moverio BT-40 3 Shade Pack	V12HA49W01
Moverio BO-IC400 Intelligent Controller	V12HA24020



1 Must support DisplayPort Alt Mode. | 2 For convenient and reasonable recycling options, visit [www.epson.com/recycle](http://www.epson.com/recycle) | 3 SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

See the latest innovations from Epson Business Solutions at [www.epson.com/forbusiness](http://www.epson.com/forbusiness)

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