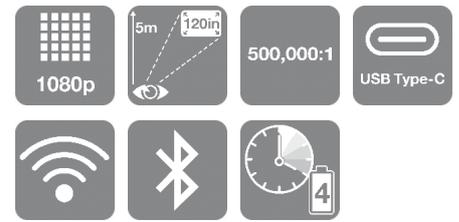


Moverio BT-40S

DATASHEET / BROCHURE



Advanced Si-OLED powered see-through binocular smart glasses with an integrated controller for commercial applications

Moverio BT-40S all-in-one smart glasses include the Moverio Intelligent Controller, running Android for custom software integration, and support a range of commercial applications, including: visitor experiences in museums, theme parks and heritage sites; subtitling in theatres and cinemas; patient entertainment or intraoral scanning in dental practices. They also come with the Google Play Store¹.

Enhance visitor, customer and audience experiences

The BT-40S can produce immersive experiences while maintaining situational awareness. Rich colours and high contrast mean that 2D and 3D rendering appear true-to-life, with transparent unused display space for enhanced content overlays. Advanced optical technology, combined with improved user comfort and controller, make this smart glasses solution ideal for visitor experiences, subtitling, dentistry and more.

High-quality display

Epson's Si-OLED technology provides excellent colour reproduction and a crisp, bright viewing experience. The Full HD 1080p display enhances each detail and the large display is the equivalent of viewing a 120-inch screen from 5 metres away.

Ergonomic design

The ergonomic design replicates the familiar fit of prescription glasses, with flexible temples offering improved comfort for different head sizes and long term usage.

Moverio Intelligent Controller

Designed for commercial applications featuring an integrated touchscreen and customisable user interfaces for intuitive usability. The controller provides the perfect platform for a range of applications. It includes flexible connectivity with Wi-Fi, Bluetooth, USB-C and 2TB expandable storage, plus GPS and motion sensors for location-based solutions. Users can also benefit from a built-in camera and flashlight.

KEY FEATURES

- **See-through binocular display**
Maintain situational awareness while experiencing digital content
- **Image quality**
Si-OLED technology and Full HD 1080p display
- **Ergonomic**
Lightweight design with flexible temples for different head sizes
- **Moverio Intelligent Controller**
Integrated touchscreen for multiple user interfaces
- **Connectivity and sensors**
Future-proofed for custom app development

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

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

CONTROLLER OPERATING SYSTEM

OS Type	Android 9
OS Update	OTA (over-the-air)
Google Play Support	Yes

CONTROLLER CPU AND MEMORY

CPU	Snapdragon XR1 2.52GHz Octa Core
RAM	4 GB
Internal memory	64 GB
External Memory	Micro SD (2GB max.), MicroSDHC (32GB max.), MicroSDXC (2TB max.)

CONTROLLER DISPLAY

Display type	IPS LCD
Panel size	2.95 inch wide panel
Pixel Number	409,920 (480 x 854)
Contrast ratio	800 : 1
Colour Reproduction	24 bit-color (16.77 million colors)
Refresh Rate	60 Hz

CONTROLLER SENSORS

Camera	13 million pixels
Camera Auto focus	Yes
Microphone	Yes
Global Navigation Satellite System	GPS, GLONASS, Galileo, QZSS, BDS
Compass	Yes
Gyroscope	Yes
Accelerometer	Yes
Proximity sensor	Yes
Ambient Light Sensor	Yes

Moverio BT-40S

WHAT'S IN THE BOX

- User manual
- Main unit

PRODUCT SPECIFICATIONS

Moverio BT-40S

CONTROLLER CONNECTIVITY

Connector ports	microSD card slot, USB Type-C (DisplayPort Alt, USB 2.0, USB 3.0), USB Type-C (USB 2.0), 3.5mm audio jack (CTIA with microphone)
Video Interface	Display Port Alternate Mode
Display Port Version	1.2
Wireless LAN	IEEE 802.11 a/b/g/n/ac, 2x2 Dual Band
Bluetooth	5
Built-in Speaker	Yes
Built-in Microphone	Yes
Built-in Earpiece	Yes

USER INTERFACE

Touchscreen	Yes
Function key	Power button, Volume +/- buttons, Back button, Home button, Recent button, Function button

GENERAL

Controller IP Rating	IPX2
Headset IP Rating	IPX2
Operating Temperature	5 °C - 35 °C, 20 % - 80 % Humidity
Battery Type	Li-Polymer 3,400 mAh
Dimensions: Headset	164 mm x 194 mm x 41 mm (D x W x H)
Dimensions: Controller	110 mm x 55 mm x 23 mm (D x W x H)
Weight Headset	95 g (without light Shielding / without harness) (without cables)
Storage Temperature	-10 °C- 60 °C / 10 %- 90 % (no condensation)
Power Supply Voltage	5 V, 2 A
Controller	
Weight Controller	183 g

OTHER

Warranty	24 months Carry in
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OPTIONAL ACCESSORIES

- Moverio BT-40/BT-40S Nose Pad Pack - BO-NP350
V12HA50W01
- Moverio BT-40/BT-40S Nose Pad Pack - BO-NP300
V12HA51W01
- Moverio BT-40/BT-40S Shade Pack - BO-SP400
V12HA49W01

LOGISTICS INFORMATION

SKU	V11H969140
EAN code	8715946690018
Country of Origin	Philippines



* Warranty offers are not available for all countries. Please contact your local Epson representative.

For further information please contact your local Epson office or visit www.epson-europe.com

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Turkey (0212) 3360303 United Kingdom 0871 222 6702

1. Comes with Google Play Store and has a range of great Google apps preinstalled, right out of the box.

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