

Moverio BT-300

DATASHEET / BROCHURE



The best way to experience augmented reality and drone piloting on the world's lightest binocular, see-through smart glasses with an OLED display¹

The Moverio BT-300 features Epson's cutting edge silicon-based OLED (organic light emitting diode) digital display technology, making the device the lightest binocular see-through smart glasses on the market with an OLED display¹, with never-before achieved image quality. Thanks to its high resolution transparent display, Moverio BT-300 delivers the next level of FPV – enjoy your drone video feed while always being able to see where it is.

High contrast for true AR or drone piloting with easy line-of-sight control

With Moverio BT-300, the unused display space appears truly transparent thanks to our new Si-OLED micro display technology and its high contrast ratio of 100,000:1.

Amazing image quality

HD display (720p) and high brightness ensure a crisp image and vivid colours, whether you're watching a film or experiencing the power of augmented reality.

Cutting edge Performance

The powerful Intel® Atom™ x5 1.44GHz Quad Core CPU and 2GB RAM ensures smooth performance. Thanks to its large array of sensors, it is possible to create amazing experiences. Its battery life is up to six hours.

HD front-facing camera

Trigger Augmented Reality content, and take HD-quality POV pictures and videos, all hands-free thanks to the 5MP front-facing camera. The camera features an LED indicator, which flashes when used.

Flexible Platform

The BT-300 runs on Android 5.1, with the ability to update the operating system. The Android OS is easy to use and is a flexible platform for app development with a strong developer community.

KEY FEATURES

- **The new standard in drone piloting**
Si-OLED display, enabling full see-through experience for the only FPV accessory in VLOS.
- **Amazing image quality**
HD display (720p) and a high brightness ensure a crisp image and vivid colours
- **HD front-facing camera**
5MP front-facing camera to take hands-free HD-quality POV pictures and videos
- **Cutting edge performance**
1.44GHz Quad Core CPU and 2GB RAM, coupled with a battery life of up to 6 hours
- **Flexible Platform**
Powered by open-source Android OS, with the ability to update

PRODUCT SPECIFICATIONS

TECHNOLOGY

Model Type	See-through OTG (Over the Glasses)
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OPTICAL

Display Device Type	Si-OLED (Silicon - Organic Light-Emitting Diode)
Driving Method	Mono Crystalline Silicon Active Matrix
Display size	0,43 inch wide panel (16:9)
Pixel Number	921.600 pixels (1.280x 720) x RGB
Field of View	Approx. 23 °
Screen Size (Projected Distance)	80 inches at 5 m - 320 inches at 20 m
Colour Reproduction	24 bit-colour (16.77 million colours)
Refresh rate	30 Hz

ANDROID PLATFORM

OS Type	Android 5.1
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SENSORS

Camera	5 million pixels
GPS	Yes, in Controller (A-GPS)
Compass	Yes
Gyroscope	Yes, in both Headset and Controller
Accelerometer	Yes, in both Headset and Controller
Ambient Light Sensor	Yes

CONNECTIVITY

Wireless LAN	IEEE 802.11a/b/g/n/ac with WiFi Direct and WiFi Miracast (Source/Sink)
Bluetooth	Bluetooth Smart Ready
microUSB	USB 2.0

CPU AND MEMORY

CPU	Intel® Atom™ x5, 1.44GHz Quad Core
RAM	2 GB
Internal memory	16 GB
External Memory	Micro SD (max.2GB), MicroSDHC (max. 32GB)

USER INTERFACE

Function key	Home, Menu, Back, Volume (+/-), Power, Function (Lock, Brightness, 2D/3D)
Direction Control Key	Up, Down, Left, Right, Enter-OK
Touch pad Pointing method	Capacitive Multitouch

SUPPORTED FILE FORMATS

Video	MP4 (MPEG 4+AAC), MPEG2 (H.264+AAC)
Audio	AAC, MP3, WAV
3D supports	Side By side

GENERAL

Operating Temperature	5 ° C - 35 ° C, 41 ° F - 95 ° F, 20 % - 80 % Humidity
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OTHER

Warranty	24 months Carry in
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Moverio BT-300

WHAT'S IN THE BOX

- AC adapter
- Carrying Case
- Inner frame for optical lenses
- Intraauricular earphone with microphone
- Quick Setup Guide
- USB cable
- User Manual (CD-ROM)
- Shade

OPTIONAL ACCESSORIES

- Moverio BT-300 standard Nose Pad
7110570
- Moverio BT-300 OTG Nose Pad
7110571
- Moverio BT-300 Controller Mount
V12H915W01
- Moverio BT-300 and BT-350 Earphones with Mic
7111272

LOGISTICS INFORMATION

SKU	V11H756040
EAN code	8715946617220
Country of Origin	Philippines
Layer	40 Units

Moverio BT-300



Epson Deutschland GmbH
Otto-Hahn-Str. 4
D-40670 Meerbusch
Info-Line: 02159 92 79 500
Telefax: +49 (0) 2159/538-3000
www.epson.de

Epson in Österreich
Info-Line: 01 253 49 78 333
www.epson.at
Epson in der Schweiz
Info-Line: 022 592 7923
www.epson.ch

1. - When compared to data available on the websites of manufacturers of competitor devices with similar features as of September 2016. Moverio BT-300 weight: 69g.

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