Moverio BT-300

DATASHEET

The best way to experience augmented reality on the world's lightest binocular, see-through smart glasses with an OLED display[1]

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 display[1], with never-before achieved image quality. Enjoy the ultimate in Augmented Reality thanks to its HD display, and its high contrast for a true see-through experience.

High contrast to realise true AR

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 AR**
  Si-OLED display, enabling full see-through experience and 3D AR capability
- **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

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PRODUCT SPECIFICATIONS

TECHNOLOGY	
Model Type	See-through OTG (Over the Glasses)
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 (1,280x720) x RGB
Field of View	Approx. 23 °
Screen Size (Projected Distance)	80 inches at 5 m - 320 inches at 20 m
Color Reproduction	24 bit-color (16.77 million colors)
Refresh rate	30 Hz
ANDROID PLATFORM	
OS Type	Android 5.1
OS Update	via network
SENSORS	
Camera	5 million pixels
GPS	Yes, in Controller (A-GPS)
Compass	Yes, in both Headset and Controller
Gyroscope	Yes, in both Headset and Controller
Accelerometer	Yes, in both Headset and Controller
Microphone	Yes
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

LOGISTICS INFORMATION

SKU	V11H756041
EAN code	8715946617237
Country of Origin	Philippines

Moverio BT-300

WHAT'S IN THE BOX

- AC adapter
- Carrying Case
- Inner frame for optical lenses
- Intraauricular earphone with microphone
- Quick Setup Guide
- Shade x2 (light and dark)
- USB cable
- User Manual (CD-ROM)

For more information please contact:

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