

# Moverio Pro BT-2000

DATASHEET / BROCHURE



## Experience a smarter workplace with the Moverio Pro BT-2000

The Moverio Pro BT-2000 is a revolutionary smart headset that makes carrying out complex tasks in demanding commercial environments quicker, easier and more intuitive with its hands-free visual guidance.

### Hands-free operation

Wearable display with built-in standalone voice commands and the possibility to create user interfaces based on head-tracking and gesture-control.

### Built to perform

Comfortable and rugged design, IP54 certified, meaning it can be worn in tough environments for long periods of time.

### True augmented reality

The best and most immersive AR experience thanks to its qHD binocular see-through display, 3D capability and 5MP stereo front-facing camera, with three-dimensional depth sensing that detects the dimensions and spatial positioning of objects in relation to each other.

### Remote visual guidance

The centred high-resolution 5MP front-facing camera enables the sharing of a worker's point of view to get help on complex tasks thanks by streaming or recording HD picture and video.

### Long operating time

Its Android OS, unique, comfortable design, and replaceable batteries (with hot swap functionality), enable the device to be used for long periods of time.

### Accurate positioning, even indoors

In addition to GPS, the product also features a built-in Epson IMU (Inertial Measurement Unit): a high-precision motion sensor with a margin of error much less than conventional sensors. This enables the device to accurately detect workers' movements where there is no GPS signal reception. Bluetooth LE, combined with beacons, and Wi-Fi further enhance the precision of indoor positioning.

## KEY FEATURES

- **Hands-free operation**  
Wearable display with built-in standalone voice command
- **Stereo camera**  
High-resolution 5MP stereo front-facing camera, with three dimensional depth sensing
- **Built-in Epson Inertial Measurement Unit**  
High-precision motion sensor with a margin of error much less than conventional sensors
- **Long operating time**  
Android OS, unique, comfortable design, and replaceable batteries (with hot swap functionality)
- **Built to perform**  
Comfortable and rugged design, IP54 certified, protective shield (ANSI Z87.1 / EN 166)

## PRODUCT SPECIFICATIONS

<b>TECHNOLOGY</b>	
Model Type	See-through OTG (Over the Glasses)
<b>OPTICAL</b>	
LCD Driving Method	Poly-silicon TFT active matrix
LCD size	0.42 inch wide panel (16:9)
LCD Pixel Number	518,400 dots ( 960x 540) x 3
Field of View	Approx. 23 °
Colour Reproduction	24 bit-colour (16.77 million colours)
Virtual Screen Size	64 inches at virtual viewing distance of 4 m
Refresh rate	60 Hz
<b>ANDROID PLATFORM</b>	
OS Type	Android 4.0.4
<b>SENSORS</b>	
GPS	Yes
Gyroscope	Yes, IMU
Accelerometer	Yes, IMU
Microphone	Yes
Geomagnetic sensor	Yes
Ambient Light Sensor	Yes
<b>CONNECTIVITY</b>	
Wireless LAN	IEEE 802.11 b/g/n/a
Bluetooth 3.0	HSP, A2DP, HID, OPP, SPP, AVRCP
Bluetooth 4.0 LE	PXP, FMP
<b>CPU AND MEMORY</b>	
CPU	T1 OMAP 4460 1.2GHz Dual Core
RAM	1 GB
Internal memory	8 GB
External Memory	Micro SD (max.2GB), MicroSDHC (max. 32GB)
<b>USER INTERFACE</b>	
Controller	Physical keys with programmable function
Function key	Reset, Power, Lock, Arrow keys, Back (A), Home (B), Menu (X), Function (Y)
Voice command	Standalone
<b>SUPPORTED FILE FORMATS</b>	
Video	MP4 (MPEG 4+AAC), MPEG2 (H.264+AAC)
<b>OTHER</b>	
Warranty	24 months Carry in Optional warranty extension available

## LOGISTICS INFORMATION

SKU	V11H725041
EAN code	8715946603629
Country of Origin	Philippines

## Moverio Pro BT-2000

### WHAT'S IN THE BOX

- AC adapter
- AC cable
- Arm band
- Controller holder
- Inner frame for optical lenses
- Inner pad (size S/M/L)
- Mono earphone with microphone
- Removable battery x2
- Shade (20% transparency)
- User manual
- Wrench + screw (x2)
- Protective shield (ANSI Z87.1 / EN 166)

### OPTIONAL ACCESSORIES

- Moverio Pro BT-2000/BT-2200 Quad Charger V12H761W04
- Moverio Pro BT-2000/BT-2200 Battery Pack V12H765W03
- Moverio Pro BT-2000 Hard Carrying Case V12H766W01
- Moverio Pro BT-2000/BT-2200 Protective Shield & Shade Pack V12H767W03
- Moverio Pro BT-2000 Inner Frame & Pad Pack V12H768W03
- Moverio Pro BT-2000/BT-2200 Armband Holder & Pack V12H769W03
- Moverio Pro BT-2200 Hard carrying case V12H894W01
- Moverio Pro BT-2000/BT-2200 Shoulder Holder V12H896W01
- Moverio Pro BT-2000/BT-2200 Controller Holder V12H895W01



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