

Moverio Pro BT-2200



A rugged and revolutionary binocular see-through smart headset built for industrial needs where protective helmets are mandatory.

Designed for critical industrial needs and built to perform, it has a comfortable and rugged design, meaning it can be worn in tough environments for long periods of time with a wide range of safety helmets. It features a high-definition screen for detailed information, IP54 certification, built-in standalone voice commands and the ability to create user interfaces based on head-tracking and gesture-control.

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, with an adjustable tilt angle of up to 35 degrees, enables the sharing of a worker's point of view to receive 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) that enables the device to accurately detect workers' movements. Bluetooth LE, combined with beacons, and Wi-Fi further enhance the precision of indoor positioning.

Simple operation

Physical keys with intuitive shapes and layout that can be used even when wearing protective gloves. Built-in ambient light sensor to adjust the brightness of the display automatically to maximise visibility. The flip-up function allows the glasses to easily be moved out of a user's line of sight.

KEY FEATURES

- **Can be worn with most safety helmets**
Comfortable and rugged design, IP54 certified, protective shield
- **Hands-free operation**
Wearable display with built-in standalone voice command
- **Stereo camera**
High-res 5MP stereo front-facing camera with wide tilt angle & 3D depth sensing
- **Built-in inertial measurement unit**
Motion sensor with a margin of error much less than conventional sensors
- **Long operating time**
Comfortable design and replaceable batteries (with hot swap functionality)

PRODUCT SPECIFICATIONS

TECHNOLOGY	
Model Type	See-through OTG (Over the Glasses)
OPTICAL	
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
ANDROID PLATFORM	
OS Type	Android 4.0.4
SENSORS	
Stereo Camera	5 million pixels (still image, video), 0.3 million pixels (depth sensing)
GPS	Yes
Gyroscope	Yes, IMU
Accelerometer	Yes, IMU
Microphone	Yes
Geomagnetic sensor	Yes
Ambient Light Sensor	Yes
CONNECTIVITY	
Wireless LAN	IEEE 802.11 b/g/n/a
Bluetooth 3.0	HSP, A2DP, HID, OPP, SPP, AVRCP
Bluetooth 4.0 LE	PXP, FMP
Connector ports	micro-USB, microSD card slot, 4 pin mini jack (earphones with microphone complying with the CTIA standard) x1
CPU AND MEMORY	
CPU	TI OMAP 4460 1.2GHz Dual Core
RAM	1 GB
Internal memory	8 GB
External Memory	Micro SD (max.2GB), MicroSDHC (max. 32GB)
USER INTERFACE	
Controller	Physical keys with programmable function
Function key	Reset, Power, Lock, Back (A), Home (B), Menu (X), Function (Y)
Voice command	Standalone
SUPPORTED FILE FORMATS	
Video	MP4 (MPEG 4+AAC), MPEG2 (H.264+AAC)
Still image	JPG, BMP, GIF, PNG
Audio	AAC, MP3
3D supports	Side By side
GENERAL	
Operating Temperature	0 ° C - 40 ° C, 20 % - 80 % Humidity
Power Supply Voltage: AC adapter	100 V - 240 V AC +/- 10%, 50 Hz/ 60 Hz
Battery Life	Approx. 4 Hours (when operating at full capacity)
Battery Type	Removable Lithium-ion batteries 1240 mAh (x2)
Dimensions: Headset	205 mm x 96 mm x 108 mm (D x W x H)
Dimensions: Controller	70 mm x 157 mm x 353 mm (D x W x H)
Charging Temperature	5 °C- 35 °C / 20 %- 80 % (no condensation)
Storage Temperature	-10 °C- 60 °C / 10 %- 90 % (no condensation)
Weight Controller	265 g
OTHER	
Warranty	24 months Carry in

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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)
- Wrench + screw (x2)
- Protective shield (ANSI Z87.1 / EN 166)
- User's Manual Set

OPTIONAL ACCESSORIES

- Moverio Pro BT-2000/BT-2200 Controller Holder
V12H895W01
- Moverio Pro BT-2200 Hard carrying case
V12H894W01
- Moverio Pro BT-2200 Helmet Holder / Rubber bands
V12H897W01
- Moverio Pro BT-2200 Inner Pads / Lens holder
V12H900W01
- Moverio Pro BT-2000/BT-2200 Shoulder Holder
V12H896W01
- Moverio Pro BT-2000/BT-2200 Battery Pack
V12H765W03
- Moverio Pro BT-2000/BT-2200 Protective Shield & Shade Pack
V12H767W03
- Moverio Pro BT-2000/BT-2200 Quad Charger
V12H761W03

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LOGISTICS INFORMATION

SKU	V11H853040
EAN code	8715946638300
Country of Origin	Philippines
Layer	8 Units