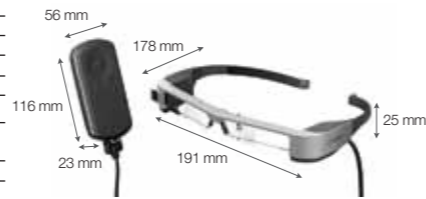


Model Number	BT-300	BT-350	BT-2000	BT-2200
Projection Technology	See-Through Binocular Smart Glasses		See-Through Binocular Smart Headset	
Model Type	See-Through Binocular Smart Glasses		See-Through Binocular Smart Headset	
Optical	Si-OLED (Silicon - Organic Light-Emitting Diode)		HTPS LCD (High Temperature Poly-Silicon Liquid Crystal Display)	
Display Device Type	Mono Crystalline Silicon Active Matrix		Polysilicon Thin Film Transistor Active Matrix	
Driving Method	0.43 inch wide panel (16:9)		0.42 inch wide panel (16:9)	
Display Size	921,600 pixels (1280 x 720)		518,400 pixels (960 x 540)	
Pixel Number	30 Hz		60 Hz	
Refresh Rate	23° (Diagonal)			
Field of View	40-inch at 2.5 m, 320-inch at 20 m			
Screen Size (Projected Distance)				
Sensors	5MP		5MP (Still image: 2596 x 1948, Video: 1920 x 1080)	
Camera - Image Capturing	N/A		640 x 480 (Approx. Range: 30-100 cm)	
Camera - Depth Sensing	Yes, in Controller		Yes, in Headset	
GPS	Yes, 3-axis in both Headset and Controller		Yes, 3-axis in Controller	
Compass	Yes, 3-axis in both Headset and Controller		Yes, 3-axis in Headset, IMU (+/- 450 deg/sec)	
Gyroscope	Yes, 3-axis in both Headset and Controller		Yes, 3-axis in Headset, IMU (+/- 6 G)	
Accelerometer	Yes (10 - 30,000 lux)		Yes (0 - 65,528 lux)	
Ambient Light Sensor				
Connectivity	IEEE 802.11 a/b/g/n/ac with Wi-Fi certified, Wi-Fi Miracast (Source/Sink), Modulation: OFDM, DSSS		IEEE 802.11 a/b/g/n with WiFi certified, Modulation: OFDM, DSSS	
Wireless LAN	Bluetooth Smart Ready Class2 (2.5 mW, 10 m), V4.1 (HSP / A2DP / HID/ OPP / SPP / AVRCP / PAN)		Bluetooth 3.0 (HSP / A2DP / HID / OPP / SPP / AVRCP) Bluetooth 4.0 LE, (PXP / FMP) *Can be used with Epson specified beacon device.	
Bluetooth	Micro USB type B , USB 2.0 (device/ host)			
USB Connection	MicroSD (max. 2 GB) / MicroSDHC (max. 32 GB)		MicroSD (max. 2 GB) / MicroSDHC (max. 32 GB)	
SD Card Slot	3.5 mm 4 pole mini-jack, CTIA type			
Audio Jack	Intel® Atom™ x 5 1.44 GHz Quad Core		TI OMAP4460	
CPU and Memory	2 GB		1 GB	
CPU	16 GB *including		8 GB	
RAM	OS + embedded microSDHC (32 GB / Class 10)			
Internal Storage				
User Interface	Capacitive Multi-touch		Capacitive Multi-touch (Relative coordinate mode & absolute coordinate mode)	
Touch Pad Pointing method			N/A	
Supported File Format	MP4 (MPEG4 / H.264 + AAC), MPEG2 (H.264 + AAC), VP8		MP4 (MPEG4 + AAC), MPEG2 (H.264 + AAC)	
Video	JPEG, PNG, BMP, GIF			
Picture	WAV, MP3, AAC			
Audio	Side by Side			
3D Support				
Sound Output	150 mV			
Maximum Audio Output Level				
General	5 °C to 35 °C, 20 % to 80 % humidity (no condensation)		0 to 40 °C, 20 to 80 % humidity (no condensation)	
Operating Temperature	-10 °C to 60 °C, 10 % to 90 % humidity (no condensation)			
Storage Temperature	5 V DC (900 mA) via micro USB terminal		11 V DC, (1.64 A) via AC adapter	
Power Supply Voltage Controller	100 to 240 V AC +/- 10 %, 50 to 60 Hz with micro USB cable, 0.15 A		100 to 240 V AC, 50 to 60 Hz, 0.4 A	
Power Supply Voltage AC Adapter	Approx. 6 hours		Approx. 4 hours (with hot-swappable feature)	
Battery Life	Lithium Polymer battery 2950 mAh		Lithium-ion batteries 1240 mAh / 7.4 V (x 2 cells)	
Battery Type	N/A		Headset and Controller: Water and dust resistant (IP54)	
Water Proof	Headset: Water proof against light rain (IPX-2), Controller: Water proof with a casing (IPX-2)			
Dimensions Headset (WxDxH)	191 x 178 x 25 mm (without shade)		205 x 136 x 100 mm (without the head band) 206 x 109 x 96 mm (without the head band)	
Dimensions Controller (WxDxH)	56 x 23 x 116 mm		70 x 35.3 x 157 mm	
Weight Headset	69 g (without shade / without cable)		290 g (without cables) 265 g (without batteries, 1 battery is approx. 50 g)	
Weight Controller	119 g (without shade / without cable)		270 g (without cables) 265 g (without batteries, 1 battery is approx. 50 g)	
What's in the box	AC Adapter, USB Cable, Carrying Case (semi-hard type), Intraauricular Earphone with Microphone, Clip-on Shade x 1 (light), Clip-on Shade x 1 (dark), Inner Frame for Optical Lenses, Temple Rubber x 2, Quick Setup Guide, Nose Pad (OTG type), User Manual		Battery pack, AC Adapter with cable, Shade (Dark) x 1 Protective Shield (Clear), Lens holder, Mono earphones w/Mic Controller holder, Arm band, Reel clip, Hexagonal wrench and Screw, User Manual	
Optional Items	Controller mount for Drone users, Epson Miracast Adapter		Hard carrying case, Quad Battery Charger, Battery Packs (x 2) Shade / Protective Shield Pack, Armband / Controller Holder Pack, Controller Holder, Shoulder Holder Inner Pads (x 3 sizes) / Lens Holder pack	
			Helmet Holder / Rubber Band Pack, Inner Pad / Lens Holder Pack	

Dimensions & Weight

BT-300
Weight Headset: 69 g (without shade / without cable)
Weight Controller: 129 g



BT-350
Weight Headset: 119 g (without shade / without cable)
Weight Controller: 129 g



BT-2000
Weight Headset: 290 g (without cables)
Weight Controller: 265 g (without batteries, 1 battery is approx. 50 g)



BT-2200
Weight Headset: 270 g (without cables)
Weight Controller: 265 g (without batteries, 1 battery is approx. 50 g)



MOVERIO BT-300/BT-350/BT-2000/BT-2200
 BINOCULAR SEE-THROUGH SMART GLASSES FOR AUGMENTED REALITY



TRANSFORMING TODAY'S ACTIVITIES WITH TOMORROW'S VISION.

The Epson Moverio smart glasses and Moverio Pro smart headsets revolutionise the way you experience your world. With enhanced wearability for ultimate comfort, hands-free operability and superior on-screen displays, prepare to experience a whole new standard in augmented reality.

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Information correct as at November 2019

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Designed to support the Sustainable Development Goals (SDGs) set by the UN

Epson Moverio smart glasses and Moverio Pro smart headsets are professionally engineered to meet every demand. The smart glasses series are ideal for personal and commercial uses while the smart headset series' durable and rugged design is optimal for industrial purposes.

All Epson Moverio models are see-through, binocular, and integrated with a multitude of features and technology. They include intelligent tracking sensors, wireless connectivity options, and a front-facing 5-megapixel camera to keep you hands-free as you capture HD-quality pictures and videos.

PERSONAL



Entertainment and Games – Giving immersive gaming a brand-new meaning, witness as your favourite games come to life. Enjoying content can also be done on the go, with a large, private display size.

BT-300



As the most lightweight model, **BT-300** is the ideal option not only for Augmented Reality experiences, but also for first-person viewing personal or drone usage, thanks to its high resolution transparent display and improved wearability.

ENTERPRISE

COMMERCIAL



Museums and Tourism – Experience interactive and enriched audio-visual learning. Engage a deeper level of understanding with various exhibits and broaden your knowledge with interactive travel guides and real-time visual translation.



Healthcare – Master the art of professional healthcare. Perform intricate surgical procedures with information displayed for training or assistance.



Subtitling – With subtitles overlaid via the smart glasses, language barriers are no longer a concern. This also enhances movie experience for the hearing impaired.

BT-350



The **BT-350** is highly recommended as it offers easy management and operation of multiple units for large-scale deployment. Its rugged built, comfortable ergonomics and flexible design also makes it suitable for various head sizes.

Alternatively, the **BT-300** is also a viable option that provides exceptional performance.

INDUSTRIAL



Logistics – Allow for quick and easy identification of inventories by warehouse staff in a hands-free and more efficient manner.



Construction – With remote work assistance, troubleshooting and technical repairs become effortless when you can consult and share images with an expert right where you are.



Maintenance – Get work done with precision and convenience through a projected instructional manual.

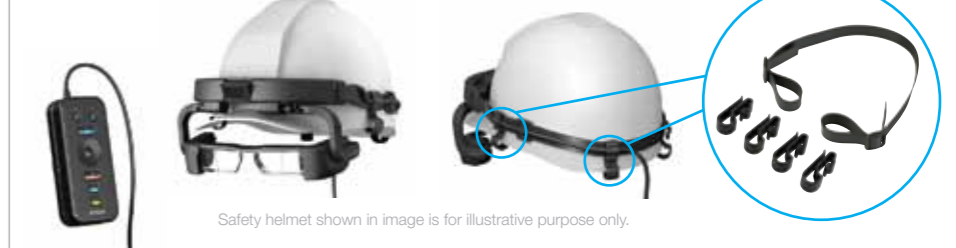
BT-2000



With an adjustable headband coupled with dust and waterproof capabilities, the **BT-2000** is ideal for applications required in heavy industrial jobsites.

Alternatively, the **BT-300** and **BT-350** provide maximum comfort with their lightweight and compact design.

BT-2200



BT-2200 is highly recommended for heavy industrial workplaces especially when putting on a safety helmet is mandatory. With an adoptable, durable rubber band and an easy-to-fit clip, it accommodates to any helmet perfectly.

Smart Glasses

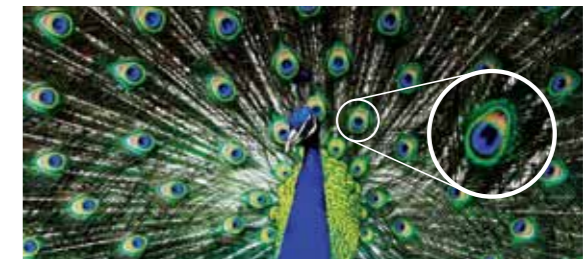


HIGH RESOLUTION

BT-300/BT-350's Si-OLED technology provides **1.8 times more resolution** than its predecessor model, BT-200.



BT-200: QHD



BT-300/BT-350: 720p

HIGH CONTRAST

Realise **seamless Augmented Reality** with edgeless rendering on full transparent display.

BT-200 (contrast ratio 230 : 1)



Screen image can be seen

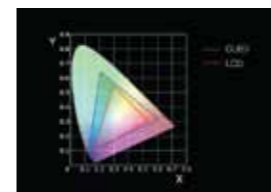
BT-300/BT-350 (contrast ratio 100,000 : 1)



No screen image

HIGH COLOUR REPRODUCTION

BT-300/BT-350's Si-OLED technology provides **1.6 times more colour** space than its predecessor model, BT-200.



TRULY WEARABLE

Compact and lightweight, the improved design with its silicon frame fits over normal glasses. The BT-300 comes with a switchable nose pad for users with glasses, while the upgraded BT-350 has a single universal nose pad integrated, which will cater to all users. Exceedingly comfortable, both can be worn for long periods of time.



BT-350 Nose Pad

BT-300 Nose Pad

EASY AND CONVENIENT CAPABILITY

Manage multiple BT-350 devices concurrently with a dock for battery charging, and the Epson Moverio Admin (EMA) software for system updates or content synchronisation. With the BT-350 APIs, deactivate buttons that are not in use, customise function of keys for convenience, or create absolute coordinates.

Required system



CUTTING EDGE PERFORMANCE

Expect smooth and unique performances with battery life up to 6 hours and a powerful Intel® Atom™ x5 1.44GHz Quad Core CPU.



BT-300



BT-350



Smart Headset



DURABLE BY DESIGN

The Epson Moverio Pro BT-2000/BT-2200 is designed to function under the harshest conditions. Its tough and rugged design allows the device to be resistant to water and dust, with the ability to withstand drop-impacts of up to 1.2m. The BT-2000/2200 also passed the ANSI Z87.1 criteria, a U.S.A National Standard for Occupational and Educational Eye and Face protection.



ZERO SHUTDOWN TIME

While two high-capacity batteries run up to 4 hours, the hot swap function practically allows for continuous operation without system shutdowns.



ERGONOMIC DESIGN

The head band form factor allows for weight dispersion as it is not supported by the nose. It's flip-up visor system also provides flexibility to adjust the display position accordingly.



PRECISION SENSORS

Efficiency in operations is enhanced, with high-performance sensors in place to accurately detect depth, motion and position.



SMART OPERABILITY

The Moverio Pro BT-2000/BT-2200 delivers smart productivity for operations with its built-in voice command and programmable keys. With a pre-defined 36 Voice Recognition Words database, enjoy the convenience of hands-free operations. Using the application software, you can easily engage specific functions simply based on the parameters of the voice command system.



BT-2000

BT-2200