

**SPECIFICATIONS**  
**MOVERIO BT-300/BT-350/BT-35E/BT-30C**



**MOVERIO**  
**MOVERIO BT-300/BT-350/BT-35E/BT-30C**



Model Number	BT-300	BT-350	BT-35E	BT-30C
<b>Projection Technology</b>	See-Through Binocular Smart Glasses		See-Through Over-The-Glass	
<b>Model Type</b>	See-Through Binocular Smart Glasses		See-Through Over-The-Glass	
<b>Optical</b>				
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 (1280 x 720)			
Refresh Rate	30 Hz			
Field of View	23° (Diagonal)			
Screen Size (Projected Distance)	40-inch at 2.5 m, 320-inch at 20 m			
<b>Platform</b>				
Operating System	Moverio OS		N/A	
<b>Sensors</b>				
Camera - Image Capturing	5MP		N/A	
GPS	Yes, in Controller		N/A	
Compass	Yes, 3-axis in both Headset and Controller		Yes, 3-axis in Headset	
Gyroscope	Yes, 3-axis in both Headset and Controller		Yes, 3-axis in Headset	
Accelerometer	Yes, 3-axis in both Headset and Controller		Yes, 3-axis in Headset	
Ambient Light Sensor	Yes (10 - 30,000 lux)		N/A	
<b>Connectivity</b>				
Wireless LAN	IEEE 802.11 a/b/g/n/ac with Wi-Fi certified, Wi-Fi Miracast (Source/Sink), Modulation: OFDM, DSSS		N/A	
Bluetooth	Bluetooth Smart Ready Class2 (2.5 mW, 10 m), V4.1 (HSP / A2DP / HID / OPP / SPP / AVRCP / PAN)		N/A	
USB Connection	Micro USB type B, USB 2.0 (device/host)		USB type C	
SD Card Slot	MicroSD (max. 2 GB) / MicroSDHC (max. 32 GB)		Embedded microSDHC (32 GB, Class 10)	
Audio Jack	3.5 mm 4 pole mini-jack, CTIA type		N/A	
<b>CPU and Memory</b>				
CPU	Intel® Atom™ x 5 1.44 GHz Quad Core		N/A	
RAM	2 GB		N/A	
Internal Storage	16 GB <sup>1</sup>		16 GB <sup>2</sup>	
<b>User Interface</b>				
Touch Pad Pointing method	Capacitive Multi-touch		N/A	
<b>Supported File Format</b>				
Video	MP4 (MPEG4 / H.264 + AAC), MP4 (MPEG4 + AAC), VP8, MPEG2 (H.264 + AAC), VP8		N/A	
Picture	JPEG, PNG, BMP, GIF		N/A	
Audio	WAV, MP3, AAC		N/A	
3D Support	Side by Side		N/A	
<b>Video Input</b>				
HDMI Type A	N/A		Ver. 1.4	
HDMI Resolution	N/A		1920x1080 @ 60Hz/ 59.94Hz, 1280x720 @ 60Hz/ 59.94Hz, 1280x720 @ 30Hz, 640x480 @ 60Hz	
USB Type-C	HDCP	N/A	Ver. 1.4	
	EDID	N/A	Supported	
	Audio Codec	N/A	LPCM (32kHz, 44.1kHz, 48kHz)	
	Video I/F	N/A	DisplayPort Alternate Mode (DP Alt Mode)	
DisplayPort Resolution	N/A		Ver. 1.2	
Audio Codec	N/A		1920x1080 @ 60Hz/ 59.94Hz, 1280x720 @ 60Hz/ 59.94Hz, 1280x720 @ 30Hz, 640x480 @ 60Hz	
EDID	N/A		LPCM (32kHz, 44.1kHz, 48kHz)	
HDCP	N/A		Supported	
	N/A		Ver. 1.3	
<b>Sound Output</b>				
Maximum Audio Output Level	150 mV		Over 16 Ω	
<b>General</b>				
Operating Temperature	5 °C to 35 °C, 20 % to 80 % humidity (no condensation)			
Storage Temperature	-10 °C to 60 °C, 10 % to 90 % humidity (no condensation)			
Power Supply Voltage Controller	5 V DC (900 mA) via micro USB terminal		5.0 V, 1.5 A (DC input) via USB Micro B	
Power Supply Voltage AC Adapter	100 to 240 V AC +/- 10 %, 50 to 60 Hz with micro USB cable, 0.15 A		USB Type-C, 1.5 A	
Battery Life	Approx. 6 hours (Lithium Polymer battery 2950 mAh)		N/A	
Water Proof	N/A		Headset: Water proof against light rain (IP x 2), Controller: Water proof with a casing (IP x 2)	
Dimensions Headset (WxDxH) [w/o Shade]	191 x 178 x 25 mm		193 x 189 x 30 mm	
	56 x 116 x 23 mm		193.5 x 181 x 30.5 mm	
Dimensions Controller (WxDxH)	56 x 116 x 23 mm		193.5 x 181 x 30.5 mm	
Weight Headset [w/o Shade/Cable/Harness]	69 g		119 g	
Weight Controller	129 g		119 g	
<b>What's in the box</b>				
BT-300	AC Adapter, USB Cable, Carrying Case (semi-hard type), Intra-auricular 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		AC Adapter, Plug Attachment, USB Cable, Carrying Case, Belt Clip Screw, Cable Retainer, Belt Clip, Clip-on Shade x 1 (Dark), Quick Setup Guide, User Manual	
BT-350	AC Adapter, USB Cable, Carrying Pouch, Flip-up shade unit x 1, Neck strap, USB attachment for Option Magnet case, User Manual		AC Adapter, Plug Attachment, USB Cable, Carrying Case, Belt Clip Screw, Cable Retainer, Belt Clip, Clip-on Shade x 1 (Dark), Quick Setup Guide, User Manual	
BT-35E	AC Adapter, USB Cable, Carrying Case (semi-hard type), Intra-auricular 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		AC Adapter, Plug Attachment, USB Cable, Carrying Case, Belt Clip Screw, Cable Retainer, Belt Clip, Clip-on Shade x 1 (Dark), Quick Setup Guide, User Manual	
BT-30C	AC Adapter, USB Cable, Carrying Case (semi-hard type), Intra-auricular 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		AC Adapter, Plug Attachment, USB Cable, Carrying Case, Belt Clip Screw, Cable Retainer, Belt Clip, Clip-on Shade x 1 (Dark), Quick Setup Guide, User Manual	
<b>Optional Items</b>				
BT-300	Controller mount for Drone users, Epson Miracast Adapter		Glasses Strap, Carrying Case	
BT-350	Controller Case, Quint Battery Charger, Magnet Case, Shade Unit Pack, Temple Grip / Nose Piece / Neck Strap Pack		Glasses Strap, Carrying Case	
BT-35E	Controller Case, Quint Battery Charger, Magnet Case, Shade Unit Pack, Temple Grip / Nose Piece / Neck Strap Pack		Glasses Strap, Carrying Case	
BT-30C	Controller Case, Quint Battery Charger, Magnet Case, Shade Unit Pack, Temple Grip / Nose Piece / Neck Strap Pack		Glasses Strap, Carrying Case	

<sup>1</sup> Including OS.  
<sup>2</sup> Including OS + embedded microSDHC (32GB/Class 10).

**Dimensions & Weight**

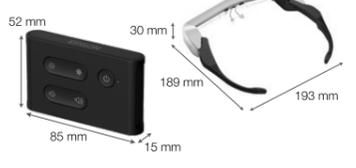
**BT-300**  
**Weight Headset:** 69 g (without shade / without cable)  
**Weight Controller:** 129 g



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



**BT-35E**  
**Weight Headset:** 119 g (without shade / without cable)  
**Weight Interface Box:** 45 g



**BT-30C**  
**Weight Headset:** 95 g (without shade / without cable)  
**Weight Interface Box:** 20 g



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**EXPERIENCE AUGMENTED REALITY WITH SEE-THROUGH GLASSES**

**IT'S IN THE DETAILS.**  
 Si-OLED display technology delivers richer colours and brighter contrasts for quality augmented reality experience.

# MOVERIO

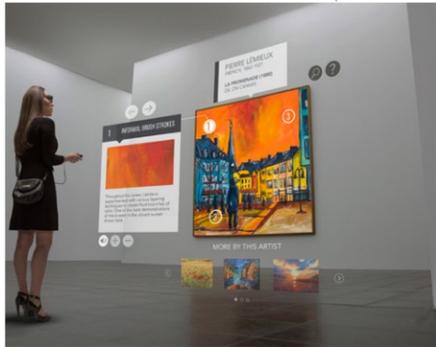
Epson Moverio smart glasses are professionally engineered to meet every demand. The smart glasses series are ideal for personal and commercial uses. All Epson Moverio models are see-through, binocular, and integrated with a multitude of features and technology.

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. With the familiar and accessible platform, the app development environment is intuitive and flexible, leading to easy creation of Augmented Reality content.

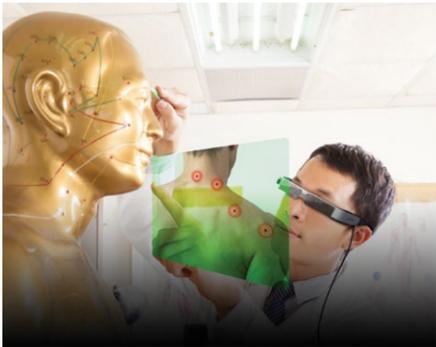
## ENTERPRISE

### COMMERCIAL

### PROFESSIONAL



**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** – Providing a hands-free, heads-up experience with a secondary display, healthcare professionals can minimize head movements when referring to information while attending to patients.\*



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

## PERSONAL

### ENTERTAINMENT

### ON-THE-GO



**Drones** – Pilot with DJI drones while controlling and viewing in first-person through the in-drone camera. Take your passion to greater heights with AR directional overlays on a fully unimpeded view for an enhanced flying experience.



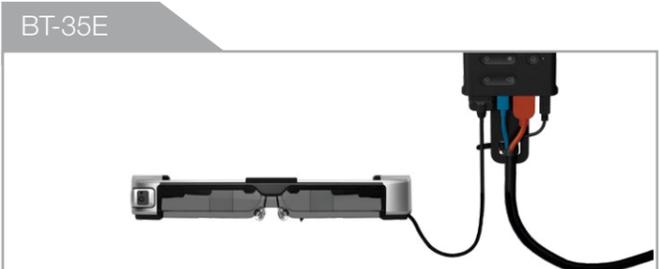
**Entertainment and Games** – Giving immersive gaming a brand-new meaning, witness as your favourite games come to life. Enjoying content can also be done on the go, with a large, private display size.



**Private Cinematic Experience** – Enjoy your own private HD cinematic experience at your comfort, anytime anywhere, without compromising on your privacy.



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.



The **BT-35E** overlays intuitive visual assistance in your line of sight in crisp and clear HD display. It allows the convenience of hand-free operations along with its robust yet flexible ergonomics design, catering to a wide range of head sizes, which can be worn by anyone for over a long period of time.



Being the lightest model, **BT-300** is your ideal option for both first-person viewing and drone usage. Thanks to its high-resolution transparent display, BT-300's improved wearability promises a pleasant Augmented Reality experience anytime, anywhere.



Experience high-definition Augmented Reality displays with the **BT-30C** without compromising your safety thanks to its see-through lenses. The fuss-free connection to your smart devices makes it convenient and quick, allowing you to enjoy its fully immersive personal viewing experience.

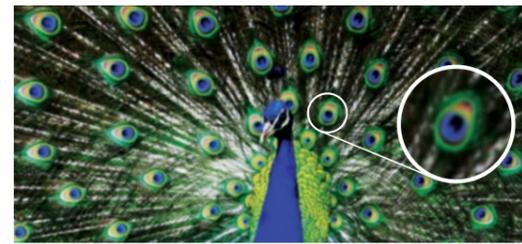
\* Moverio smart glasses are used for reference and not for actual diagnosis purposes.



Smart Glasses

## HIGH RESOLUTION

The current Si-OLED technology provides **1.8 times more resolution** than the predecessor model, BT-200.



BT-200: QHD

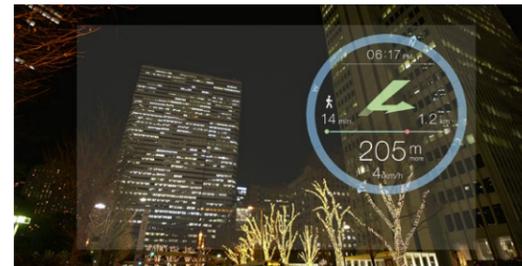


BT-300/BT-350/BT-35E/BT-30C: 720p

## HIGH CONTRAST

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

BT-200 (contrast ratio 230 : 1)



Screen image can be seen

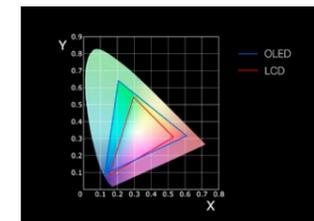
BT-300/BT-350/BT-35E/BT-30C (contrast ratio 100,000 : 1)



No screen image

## HIGH COLOUR REPRODUCTION

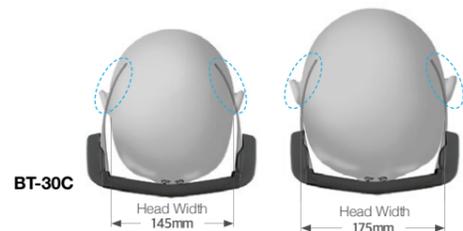
The current Si-OLED technology provides **1.6 times more colour** space than the predecessor model, BT-200.



## DURABLE WEARABILITY

Devised to be comfortable even for long durations, the Epson Moverio smart glasses enhanced ergonomic design can be adjusted to fit any head size for maximum comfort. The sturdy temple design provides reliability and increased product lifespan.

### Comfortable fit



The various models within the Epson's Moverio range of smart glasses cater to the different users' preferences and head widths. Temple cushions and flexible hinges for an improved fit are available in specific models.

Alternatively, the **BT-300** is an excellent lightweight option. While **BT-350/BT-35E** offers flexible hinges for improved fit (Head width: 133 – 177mm)

### Truly Wearable

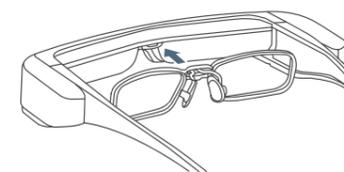


**BT-350/BT-35E**  
Universal nose piece catering to all users (with or without glasses).

**BT-300/BT-30C**  
Special nose pad for over the glasses usage.<sup>2</sup>

<sup>2</sup> Headset can only be worn over spectacles for head width approximately about 145mm.

### Attaching lenses to the headset



Opticians can attach prescribed lenses to the lens holder.<sup>3</sup>

<sup>3</sup> Only applicable to BT-30C and BT-300.

### Shades for bright environment



Enhanced your viewing experience even in bright conditions.

## ON ENTERPRISE LEVEL

Engineered with the highest precision, the MOVERIO BT-350/35E supports your daily enterprise-level use with its high durability, a comfortable fit, and providing for hands-free operations.



Greater access to data through flexible connectivity with low latency experience.



Enhance productivity with intuitive visual assistance within your line of sight.



Remarkable durability and comfortability over long hours of usage.

### BT-350

#### 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.



#### CUTTING EDGE PERFORMANCE

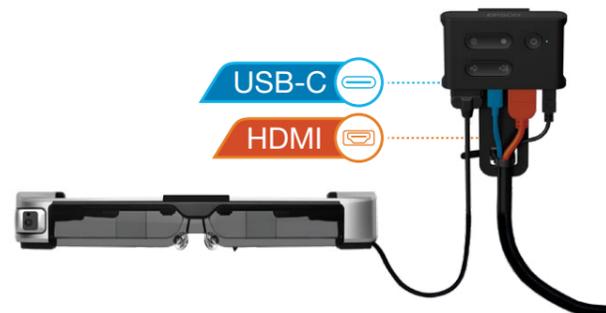
Expect smooth and unique performances with battery life up to 6 hours and a powerful Intel® Atom™ x5 1.44GHz Quad Core CPU.



### BT-35E

#### SMART DEVICES CONNECTION

Eliminate high-latency issues with HDMI and USB-C, which offers connectivity to a range of external devices for transmission of data.



## FOR PERSONAL USE

Bring your personal home theatre everywhere you go with the MOVERIO BT-300/ BT-30C, the lightweight and revolutionary smart headset with high definition display.



Enjoy watching videos or reading articles without your privacy being intruded.



Watch movies or read confidential documents safely with private screen experience.



Achieve a personal theatre experience in your own comfort, watching movies in any posture.

### BT-300

#### LIGHT WEIGHT DESIGN

Transform the way you work, learn and play with the new generation Epson Moverio BT-300 smart glasses. Now lighter and more powerful than ever before at a mere 69g (without shade and cable).

#### HANDS-FREE EXPERIENCE

Front-facing 5-megapixel camera and intelligent tracking sensors keep you hands-free while taking HD-quality pictures/ videos, and enabling Augmented Reality content.

### BT-30C

#### PLUG-AND-PLAY

Simply connect the Epson Moverio BT-30C with smart devices\* that support USB Type-C Display Port Alternate Mode and enjoy the use with existing apps.



#### MOVERIO LINK

For a more customisable control over your smart glasses, download the MOVERIO Link app from the Google Play store. MOVERIO Link app is only available on Android devices.

#### Key Features:

- Adjustable screen brightness and volume level via the app
- Screen lock function of smart device
- 2D/3D\*\* mode support



Before using MOVERIO Link, permission to access other applications on your smart device will be needed. Press the MOVERIO Link icon to change settings on the setup screen of your smart device.

\* Moverio BT-30C is compatible with Windows 10 or higher, and devices on Android 7.0 or later. It does not support USB splitter or USB gender changer extensions. There might be some incompatible models depending on the manufacturer. For more information, please visit [www.epson.com](http://www.epson.com).  
\*\* 3D split format.