

BO-IC400 Intelligent Controller for Moverio® Smart Glasses

Smart Glasses



Touchscreen controller for Moverio smart glasses.

Seamless interaction with Moverio smart glasses — intuitive touchscreen interface with an array of features for a broad range of functionality

Google Mobile Services (GMS) — easy access to the Google Service software engine, Google Play Store and a collection of Google APIs and apps, as well as enhanced security and simple device management

Android compatible — powered by Android OS (9.0)

Enhanced connectivity — dual-band Wi-Fi® and Bluetooth connectivity provide a fast, stable connection with a wide range of peripheral devices

Built-in high-resolution, 13 MP auto-focus camera and flashlight — allows users to capture small objects in dark environments

Built-in audio — speaker, mini jack and noise-cancelling microphone to support voice recognition capability

Ultra portable — efficient design with a size and shape optimized to fit the average human hand

Packed with sensors — GPS, gyroscope, accelerometer, ambient light and proximity sensors to enable location tracking, motion tracking, object tracking and auto brightness adjustment, making it ideal for 360-degree, hands-free AR apps and more

Excellent out-of-the-box experience — preloaded with useful productivity apps such as Chrome, Gmail, Google Drive and a QR code reader, along with the app to control Epson Moverio smart glasses

Powerful performance — optimized CPU; 2.52 GHz Octa Core Snapdragon XR1 Platform ensures superior compatibility with smart glasses applications and processing of complex 3D graphics

Display

Display Device Type IPS LCD
Brightness 330 cd/m² (MAX)
Contrast 800:1
Display Size 2.95" wide panel
Pixel Number 409,920 pixels (480x854xRGB)
Refresh Rate 60 Hz
Color Reproduction 24-bit color (16.77 million colors)

Platform

OS Version Android™ 9

CPU and Memory

CPU Qualcomm SXR1130
Memory 4GB
Storage 64GB
External Memory microSD (2GB maximum), microSDHC SDHC card not included. (32GB maximum), microSDXC (2TB maximum)

Sensors

Camera 13MP Auto Focus
GPS Yes
Compass Yes
Gyroscope Yes
Accelerometer Yes
Ambient Light Sensor Yes
Proximity Sensor Yes

Connectivity

Wireless LAN IEEE 802.11 a/b/g/n/ac, 2x2 Dual Band
Bluetooth®
Version: 5.0
Profile: Bluetooth Classic (A2DP 1.3/AVRCP 1.3/HSP 1.2/HID 1.0/PAN PANU/PAN NAP/OPP1.2.1/SPP), Bluetooth LE (SCPP/HOGP)
USB
Bottom Port: USB Type-C DP Alt, USB 2.0, USB 3.0
Side port: USB Type-C, USB 2.0
Audio 3.5 mm Audio Jack (CTIA standard earphones with microphone compatible)

User Interface

Touch Panel
Operation Keys Power Button, Volume Keys, Back Key, Home Key, History Key, Function Key

Supported File Format

Video MPEG-2, MPEG-4, H.263, H.264, H.265 (HEVC), VP8, VP9
Audio AAC, HE-AAC, AMR, FLAC, MP3 (8 to 320 Kbps) CBR/VBR, Vorbis, WAV, Opus

Sound Input/Output

Audio Microphone, Receiver, Speaker (0.5 W), 3.5 mm Audio Jack (CTIA standard earphones with microphone compatible)

Other

Global Navigation Satellite System GPS/GLONASS/Galileo/QZSS/BDS
LED Indicator Yes
Firmware Update Supported (OTA via USB)

General

Operating 41 °F to 95 °F (5 °C to 35 °C)
Humidity (Operating) 20% to 80%
Temperature (Storage) 14 °F to 140 °F (-10 °C to 60 °C)
Humidity (Storage, Unfrozen) 10% to 90%
USB Power Delivery
Revision 2.0
Input [5.0] V 2A
Output Yes
Controller Dimensions (W x D x H) 55 mm x 110 mm x 23 mm
Controller Weight Approx. 6.5 oz
Battery 3,400 mAh
Battery Type Lithium Polymer
Waterproof IPx2 (except for USB port)

What's in the Box

Controller User Guide, Safety Instructions, USB Cable, SD Card Slot Pin

Language

OSD English
Language EN/JA/FR/ES/PT/DE/IT/NL/ZHT/UK/DA/FI/NO/SV/CS/PL/HU/TR/RU/AR/KK

Developer Resources

Developer Portal <https://tech.moverio.epson.com/en/>
Videos/Webinars www.youtube.com/moverio

Eco Features

RoHS compliant
Recyclable product¹
Epson America, Inc. is a SmartWay® Transport Partner²

Ordering Information

BO-IC400 Intelligent Controller for Moverio Smart Glasses V12HA24020
Moverio BT-40 Smart Glasses V11H969020



¹ For convenient and reasonable recycling options, visit www.epson.com/recycle | ² SmartWay is an innovative partnership of the U.S. Environmental Protection Agency that reduces greenhouse gases and other air pollutants and improves fuel efficiency.

See the latest innovations from Epson Business Solutions at www.epson.com/forbusiness

Better Products for a Better Future™
eco.epson.com



Epson America, Inc.
3131 Katella Ave, Los Alamitos, CA 90720

Epson Canada Limited
185 Renfrew Drive, Markham, Ontario L3R 6G3

www.epson.com
www.epson.ca

Contact:

Specifications and terms are subject to change without notice.

EPSON and Moverio are registered trademarks, EPSON Exceed Your Vision is a registered logomark and Better Products for a Better Future is a trademark of Seiko Epson Corporation. Google and Google Drive are registered trademarks and Android is a trademark of Google LLC. Wi-Fi® is a registered trademark of Wi-Fi Alliance®. All other product and brand names are trademarks and/or registered trademarks of their respective companies. Epson disclaims any and all rights in these marks. Copyright 2021 Epson America, Inc. CPD-60650 2/21