Movella DOT

About Movella DOT

Movella DOT™ is a state-of-the art development platform for the measurement and analysis of human kinematics from industry leaders, Movella. The platform features high accuracy wearable inertial sensors, an easy-to-integrate mobile SDK and community support from Movella experts.

Movella DOT provides endless application possibilities for innovators and developers giving everything needed to build a commercially attractive application.

Make it happen with Movella DOT

Visit www.movella.com/products/wearables/movella-dot

GENERAL	
SENSOR PLACEMENT	Application dependant Straps, holders and sleeves available by Movella (sold separately)
LATENCY	30 ms
BATTERY	Battery life up to 8 hrs Charging time about 1 hr
WEIGHT	11.2 g
DIMENSIONS SENSOR	36.30 x 30.35 x 10.80 mm (l x w x h)
OPERATING TEMPERATURE RANGE	0ºC - 50ºC
WATERPROOF RATING	IP 68
INTERNAL STORAGE	64 MB

COMMUNICATION	
COMMUNICATION PROTOCOL	Best performance with Bluetooth 5.0 devices or above
SUPPORTED OPERATION SYSTEMS	Android OS 8.0 or above iOS 11.0 or above Windows 10 or above Linux
COMPATIBLE DEVICES	Any (via BLE 5.0)

ORIENTATION	
STATIC (INCLINATION | HEADING)	0.5º | 1.0º ʊ RMS
DYNAMIC (INCLINATION | HEADING)	1.0º | 2.0º ʊ RMS

SENSOR COMPONENTS	
FULL SCALE	± 2000º/s | ± 16g | ± 8 Gauss
DIMENSIONS	9 axes

OUTPUT	
DATA OUTPUT	Orientation (Unit Quaternions & Euler Angles) Free acceleration Acceleration Angular Velocity Magnetic Field Timestamp and status

OUTPUT RATES	
REAL-TIME	1Hz, 4Hz, 10Hz, 12Hz, 15Hz, 20Hz, 30Hz and 60Hz
RECORDING	1Hz, 4Hz, 10Hz, 12Hz, 15Hz, 20Hz, 30Hz, 60Hz and 120Hz

Mouser Electronics

Authorized Distributor

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