

ActiveIO Puck

Product Details



ActiveIO Puck

Specifications

Description

ActiveIO Puck is a standalone trackable object which provides lightning fast 6 DoF tracking information for any object to which it is applied. It carries a factory installed ActiveIO Tag with 8 LEDs and a rechargeable battery with up to 12-hour run-time on a single charge. ActiveIO technology allows each of the LEDs to have a unique blinking scheme. This differentiates itself from regular powered LEDs by allowing you to accurately locate a single marker in a volume, track objects with duplicate shapes, and scale your tracking up beyond what Passive tracking can usually handle. Additionally, the ActiveIO Puck contains an IMU allowing for rotational data to be fused with locational data creating the most precise location data available.

RF	2.4 Ghz
Frequency	CISPER 32 CLASS A / 2.4GHz Intentional Radiator
FCC	XPYNORAB2 PART 15 of FCC rules

FCC ID

Physical Attributes

Width	102mm (4.02")
Height	102mm (4.02")
Depth	20.6mm (0.81")
Weight (with Lens)	99.8 grams (0.22lbs)
Base Materials	Polymer
Color	Black body, white defusers

Electrical Dimmensions

Power input	Battery / 5v USB (charging only)
IEEE Standard	18 hr (Idle), 13.5hr (Paired), 4.5hr (Always On)
Power draw (@PSE)	100mA (Idle), 150mA (Paired), 430mA (Always On)
Connector	USB-C (Battery charging & Power only)

Data Architecture

Communication	RF
Protocol	OptiTrack Proprietary

Status Indicators

Numeric LED	N/A
On/Off	Button
Full-color health and activity LED bar	No
Activity LEDs	3X

Mounting

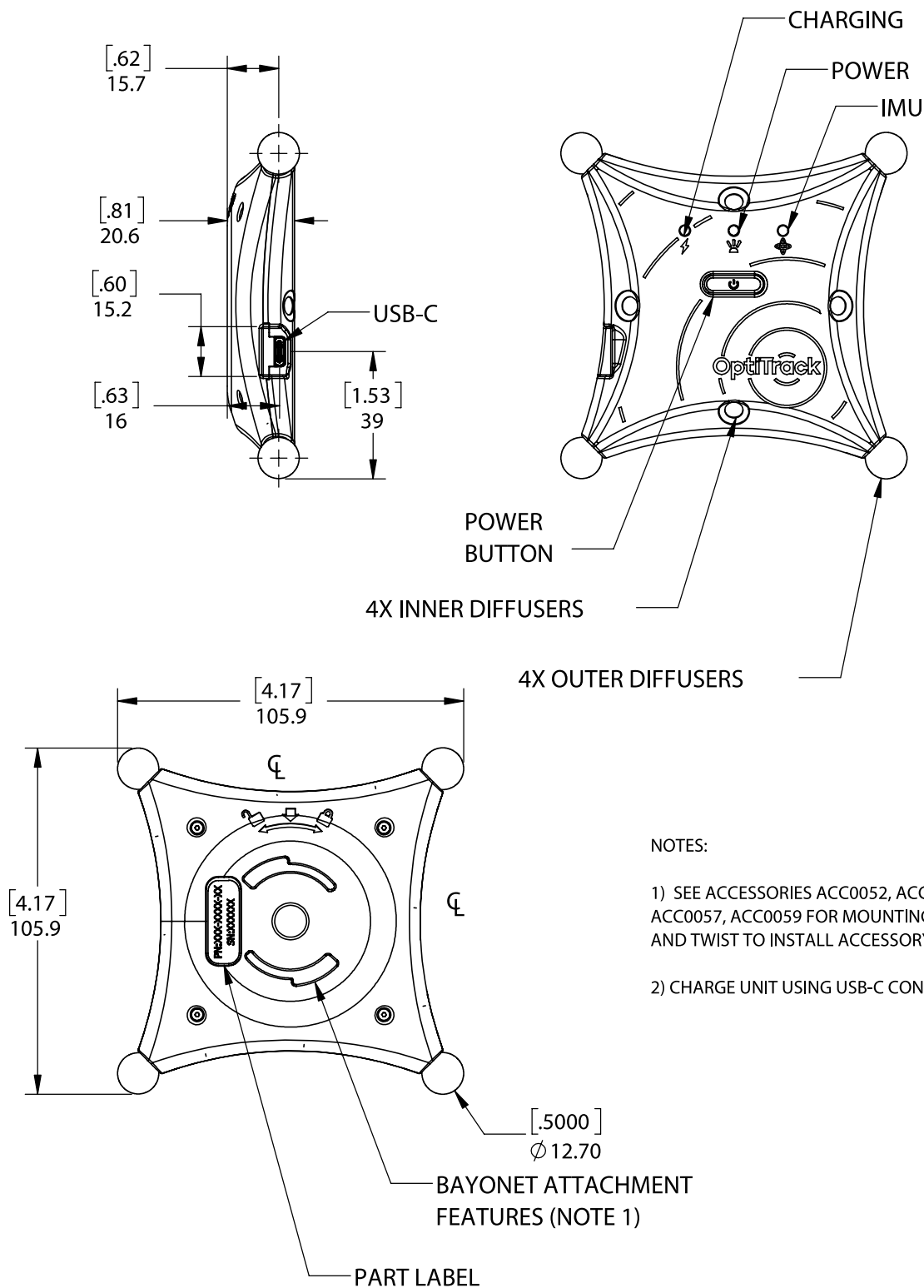
Type & Qty	Bayonet (Multiple Mounting Fixtures)
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Environment

IP Rating	IP4X
Operational Temperature	5 - 50°C
Storage Temperature	-40 - 70°C
RoHS compliant	Yes
CE	Yes
UL/CSA	CSA Only

Puck

Technical Drawings



NOTES:

1) SEE ACCESSORIES ACC0052, ACC0053, ACC0054, ACC0055, ACC0056, ACC0057, ACC0059 FOR MOUNTING USING BAYONET FEATURE. PUSH AND TWIST TO INSTALL ACCESSORY.

2) CHARGE UNIT USING USB-C CONNECTOR