Datasheet
SDX-PocketScan

SDX-PocketScan transforms modern iPhones or iPads into a compact 3d surveying system. Based on the LiDAR sensor integrated into the smartphone, it enables the rapid capture of centimeter-accurate point clouds for volume analysis, inventory documentation, or terrain surveys - ideal for construction pits, material depots, or hard-to-reach areas.



Technical Details

Positioning

GNSS tracked	Galileo: E1, E5a, E5b, E6 GPS: L1C/A, L1C, L2C, L2P(Y), L5 BDS: B1I, B2I, B3I, B1C, B2a, B2b GLONASS: G1, G2, G3 QZSS: L1C/A, L1C, L2C, L5 SBAS: L1C/A NaclC: L5
Channels	1408

Precision

RTK	H: 7 mm + 1 ppm, V: 14 mm + 1 ppm
Tilt compensation	<20 mm at 60°
Convergence time	approx. 5 sec

Mechanical

Receiver size LxBxH weight	95 x 64 x 12.5 mm 115 g
Receiver + mobile antenna weight	198 x 64 x 49 mm 160 g
Receiver + pole antenna weight	110 x 70 x 65 mm 260 g
Operating temperature	-20°C to +65°C
Ingress Protection	IP67

Connectivity

Communication interface	BT, BLE 5.3, Serial
Correction data format	RTCM3

Electrical

Battery	LiPo 2000 mAh
Operation	10 hours
Charging	USB-C, 5V, 3A

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