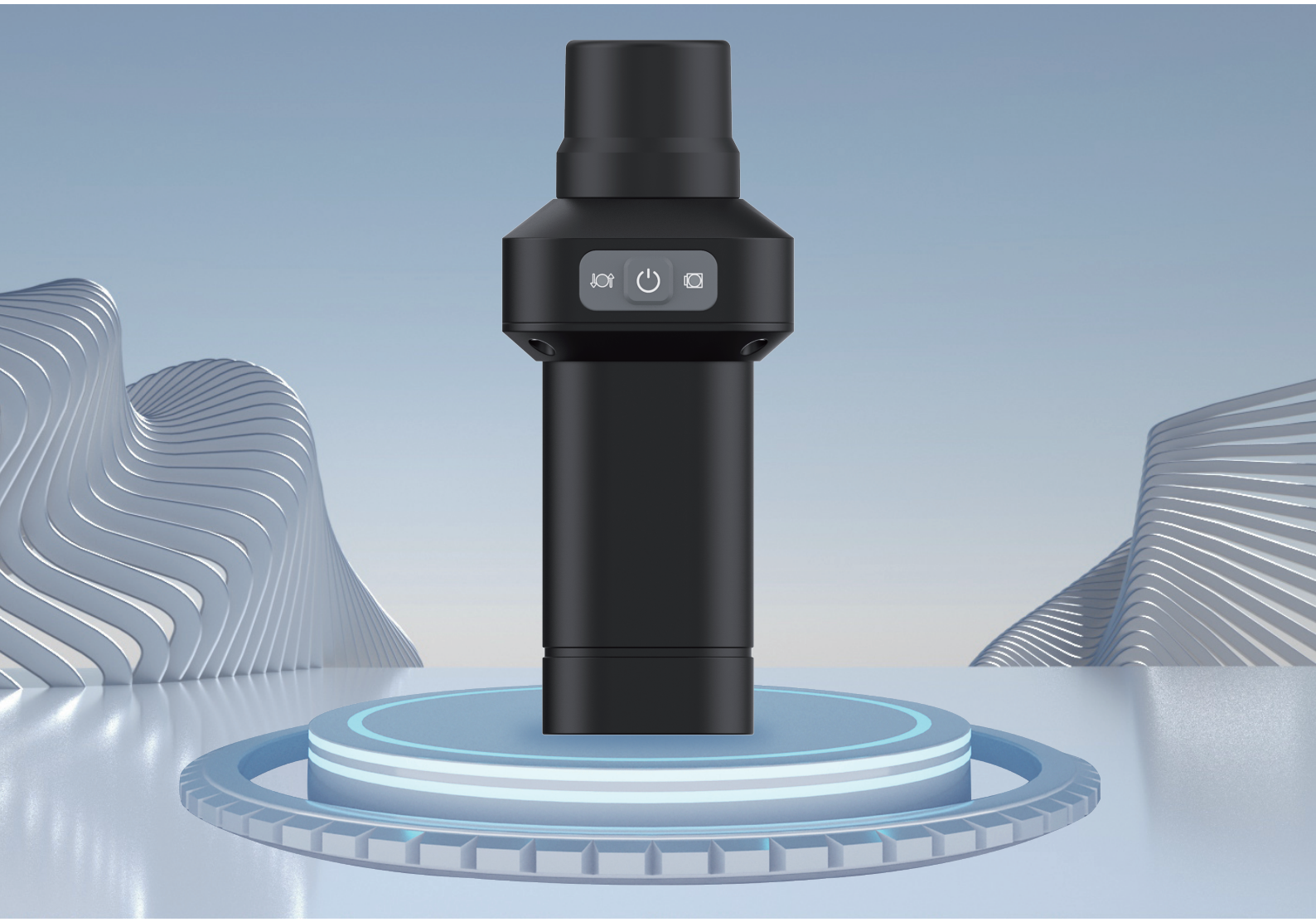
Geodesical®

GNSS GT10



SMALL SIZE, HIGH INTEGRATION

The GT10 portable high-precision locator is a lightweight, simple, and practical high-precision full-constellation GNSS RTK receiver independently developed and produced by Geodesical. The total weight of the device is 0.55kg . It is small, light, and easy to carry. Integrated large-capacity battery, GNSS antenna, satellite positioning module , Bluetooth , etc.

REAL TIME KINEMATIC

HIGH PRECISION AND WIDE APPLICATION

GT10 supports Beidou, GPS, GLONASS, Galileo, QZSS , with high positioning accuracy, which can ensure positioning accuracy in a variety of complex environments ; it can meet the needs of precision agriculture, vehicle positioning, mechanical control, and ship positioning. part of the demand.

WELL-CONFIGURED AND EASY TO OPERATE

Adopt TYPE-C charging interface, support power bank charging, support TYPE-C upgrade; built-in 4.0 Bluetooth module, support various mobile phone connections; standard IP 5 4 waterproof and dustproof design ; built-in 4800mAh large - capacity battery , support more than 16 hours of battery life ; flexible use, can be held by hand or directly screwed to the centering rod for measurement .

GOOD SOFTWARE AND COMPLETE FUNCTIONS

The software adopts the standard version of the measurement software or the flagship version of the measurement software, with functions such as measurement, point placement, CAD stakeout, etc. It supports various CORS systems .

TECHNICAL PARAMETER

CHANNEL	1408 channels, based on NebulasIV	**PHYSICAL PROPERTIES**	Physical size: Φ165mm×70mm
SIGNAL	BDS: B1I/B2I/B3I/ B1C/B2a		Working temperature: -45°C～+75°C
TRACKING	GPS: L1C/A/L2P (Y) /L2C		Storage temperature: -55°C～+85°C
	GLONASS: L1/L2		Protection class: IP54
	Galileo: E1/E5a/E5b		Shock and Vibration: 2m drop resistance
	QZSS: L1/L2/L5		Buttons: 1button
	Cold start time: ＜25s		Indicator lights: 2 LED indicators
	Initialization time: ＜5s (typ.)		Weight: 0.55kg
	RTK initialization reliability: ＞99.9%	**DATA INTERFACE**	Data refresh rate: 1Hz
	Recapture: ＜1s		Baud rate: 115200
ACCURACY INDEX	Single point positioning: Plane: 1.5m Elevation: 2.5m		Interface mode: standard TYPE-C interface
			Bluetooth: B T4.0
	RTK Accuracy: Plane: ± (10+1.0×10^{-6}×D) mm[1]	**ELECTRICAL PARAMETERS**	Endurance time: ⩾16h
	Elevation: ± (20+1.0×10^{-6}×D) mm		Input voltage: DC5V ⩽1A
DATA OUTPUT	Differential data: RTCM3.3/3.2/3.1/3.0		Battery capacity: 4800mAh
	Positioning data: NMEA-0183		Power consumption:1w GT

1: D is the baseline distance, the unit is mm

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