

SPECIFICATIONS

Data Collector

Ver.2026.1.19

System Configuration	Operation System	Android 12
	CPU	Media Tek 8-Core Processor
	Memory	4GB+64GB
	Display	6" Capacitive Touch Screen with 500nits Brightness
	Resolution	720*1440 Resolution, Sunlight Readable
	Touch Screen	GFF, Gloves, Operable with Some Water on the Surface
	Rear Camera	13 Megapixel Camera with Autofocus
	Keypad	White Backlight Keypad Including: Full QWERTY 10-key number pad, directional buttons 8 programmable buttons, 2 data collection buttons on the sides
Communication	SIM Card	2 Card Slot
	WiFi	802.11a/b/g/n/ac, 2.4G + 5G Dual Band, Support Fast Roaming
	Bluetooth	BT5.1 with Downward Compatibility, 2.402GHz-2.480GHz
	Typy-C	Support OTG, Meet ESD (Contact ±8KV, Air ±15KV Standard Design), EOS (VBUS ±500V, VBAT ±300V), OVP (10.5V, DC Withstand Voltage of Surge Tube Over 24V)
	NFC	13.56MHz, Readable Range 20mm - 50mm, Protocols ISO14443A/14443B/15693
	Network	GSM: B2/B3/B5/B8
		WCDMA:B1/B2/B4/B5/B8
		LTE-TDD: B34/B38/B39/B40/B41 LTE-FDD:B1/B2/B3/B4/B5/B7/B8/B12/B17/B19/B20/B25/B28A/B28B
Power Supply	Battery	9000 mAh, Working 16hs+
	Charging	Support QC and PD Fast - charging Protocols
Physical	Size	242 mm × 87.6 mm × 24 mm
	Weight	488g with Battery
Environmental	Work Temperature	-25°C~+60°C
	Storage Temperature	-40°C~+70°C (Excluding Battery)
	Waterproof & Dustproof	IP67, Survive from a 1.5m Drop



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R50 Data Collector



Qualcomm



1080P Resolution



6" Display



Full QWERTY



Android 12



QC Quick Charging



IP67

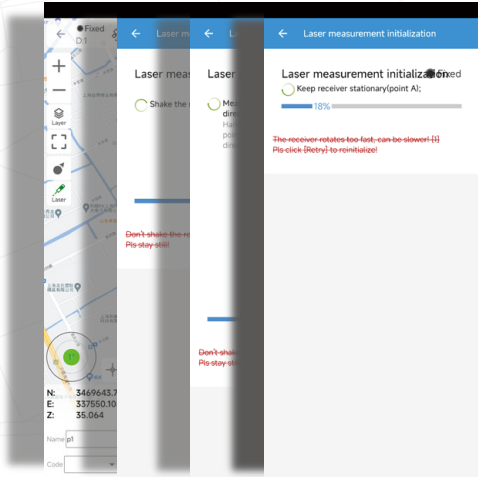
Survey Master

Survey Master is a professional field surveying software designed of strong functionality, high efficiency and reliability. Featuring multiple base/rover work modes, abundant import/export formats and complete survey methods, Survey Master will bring users an excellent experience.

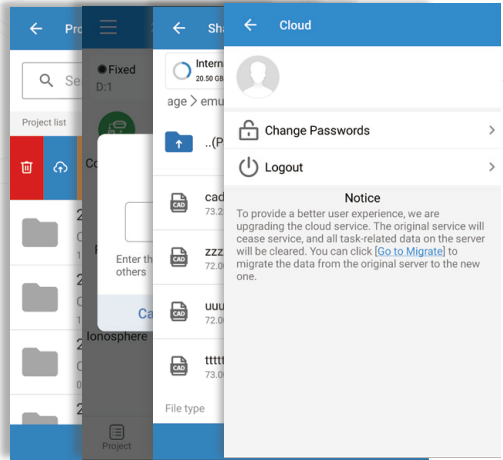
- Compatible with most of Android devices
- Easier survey workflow via Wizard function
- Support up to 120° IMU tilt compensation
- Support all survey modes, including Static, PPK and RTK
- Support Surface Stake, Mapping Survey and etc. to serve various survey tasks
- Support CAD import and directly use for stake out operations
- Support Convert function from ComNavBinary raw file to RINEX



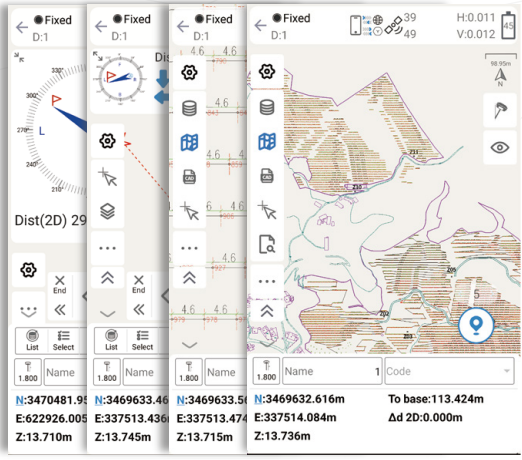
Laser Visual Survey & Stakeout



IMU Tilt Survey



Cloud Service



CAD Basemap and Stake