EFIX

Stronger signal , easy to fix.

C3

IMU RTK Receiver

Easy to Fix

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Stronger signal , easy to fix.

VERSATILE. RUGGED. ACCURATE

- 100% more efficient to do surveying and staking-out
- 41% better performance in canopy environments
- Lifetime online face-to-face services
- Much easier RTK operations

ENHANCED SIGNALS TRACKING

ONE-CLICK TO ALL FUNCTIONS

COMPREHENSIVE STAKING-OUT

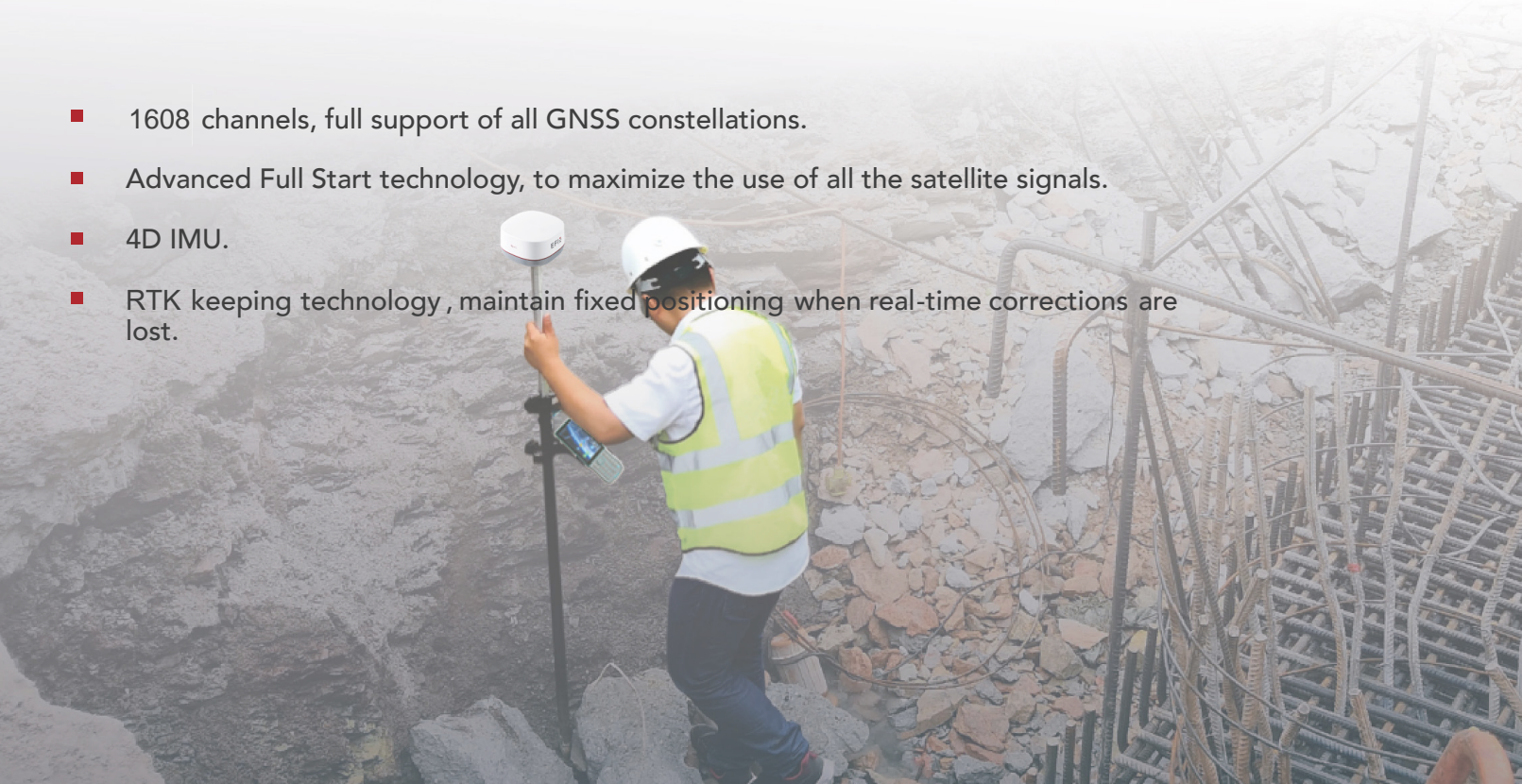**SUPER ACCURACY**

CONNECTIONS IN SECONDS

CLOUD-BASED MANAGEMENT

100% MORE EFFICIENT TO DO SURVEYING AND STAKING-OUT

- 1608 channels, full support of all GNSS constellations.

- Advanced Full Start technology, to maximize the use of all the satellite signals.

- 4D IMU.

- RTK keeping technology , maintain fixed positioning when real-time corrections are lost.

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MEASURE ANYWHERE, WHEN YOU GET THERE

Double check technology, using mulit-frequencys to solve GNSS signal, smart select

41% performance improvement

GNSS-IMU tight coupling, using one epoch to get fix ambiguity

RTK CAN BE MUCH EASIER

Cable free, Bluetooth radio, work without complex connections.

Cloud-based data management

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Staking-out from CAD basemap
click to select the points to stake

One click to all functions User-
friendly interface, make it easy
to understand and use; Super
menu, one click to access all
functions.

Data sharing by bar code scanning

FACE-TO-FACE ASSISTANCE, AND UNLIMITED TRAINING REMOTE ONLINE
SERVICE BY ONE CLICK, TO GET INSTANT SUPPORT.

SPECIFICATIONS

GNSS Performance

Channels	1608
Satellites tracking	BDS: B1I/B2I/B3I/B1C/B2a GPS: L1/L2/L5 GLONASS: L1/L2 Galileo: E1/E5a/E5b QZSS: L1/L2/L5
Positioning rate	Up to 20 Hz
Operation system	Linux
Initialization time	< 5 sec
Initialization reliability	> 99.9 %
Post-processing static	Horizontal: 2.5 mm + 0.5 ppm Vertical: 5 mm + 0.5 ppm
Real time kinematics (RTK)	Horizontal: 8 mm + 1 ppm Vertical: 15 mm + 1 ppm

IMU Sensor

IMU	Supported
Accuracy	Less than 2.5 cm within 30°
Tilt angle	0°~60

Hardware

Size (L x W x H)	121 mm × 121 mm × 74 mm
Weight	0.87 kg
Button	Power button
Operating temperature	-45°C~ +75°C
Storage temperature	-45°C~ +85°C
Water/Dust Proof	IP67
Shock resistance grade	IK08
Shock	Survive a 2 m drop

Data Output

Correction data	CMR, RTCM2.X , RTCM3.X, Full Star
GPS data	NEMA 0183, PJK, Binary

Feature

Intelligent voice	Data collector voice
Cloud service	Remote assistance, data sharing, etc.

Static Data Recording

Format	RINEX
Data storage	8G internal memory

Electrical

Battery capacity	Rechargeable and built-in Lithium-ion battery, 6,800 mAh
Working time	15 hours with Ntrip work mode
External power	USB Type-C power, powerbank supported

Communication

Ports	1 x USB Type-C port (data download, firmware update) 1 x UHF antenna port (TNC female)
Bluetooth	Supported
Wi-Fi	Supported
Webpage configuration	Supported
NFC	Supported
UHF radio	Standard Internal Rx: 450 - 470 MHz Protocol: Transparent, TT450 S