KOLIDA
Professional's Choice

K30

Improving Never Stops

K30 is designed to enhance your performance in the field survey and output a higher productivity.

It integrates a 1598 channels GNSS positioning engine, a high precision IMU, and a new interact operating system.

More features are to be discovered by you...

All Constellations and More Channels

With 1598 channels, K30 is capable to track signal from 5 satellite constellations (GPS, Glonass, Beidou, Galileo, QZSS), process signal and provide stable and reliable accuracy.

More Powerful and More Durable

The shock-resistant frame, water-proof frame all have been enhanced, now the overall proof level is Ip68.

Superior Endurance, Up to 25 hours working

The newly developed power management system allows K30 to work for 10 to 25 hours and can be recharged by a type-C connector

Color Touch Screen, Makes Workflow Simpler

Users can operate K30 by touch screen and key buttons, easy and fast.

RTK-Keep

When K30 loses the RTK correction data source from base station, this function will help receiver to maintain the precise position for a few minutes.

L-band Correction, 4-10cm PPP

K30 is able to receive B2b signal via satellite, and perform a single point positioning. It is a great help to surveyors who work in particularly difficult areas. This service is available in 2022 from Asian-Pacific region.

SPECIFICATIONS

GNSS Performance	
Channels	1598
GPS	L1C/A, L2P, L1C, L2C, L5
GLONASS	G1, G2, G3* (* means reserved/ coming soon)
BeiDou	B1I, B2I, B3I, B1C, B2a, B2b
Galileo	E1, E5b, E5a, E6, E5AltBoc*
QZSS	L1C/A, L5, L1C, L2
SBAS	L1, L5
IRNSS	L5* (* means reserved/ coming soon)
L-Band*	B2b

Positioning Accuracy	
Code Differential GNSS Positioning	Horizontal: ±0.25m+1ppm Vertical: ±0.50+1ppm
SBAS Positioning	Typically<5m 3DRMS
High Precision Static	Horizontal: ±3mm+0.1ppm Vertical: ±3.5mm+0.4ppm
Fast Static and Static	Horizontal: ±2.5mm+0.5ppm Vertical: ±5mm+0.5ppm
Post Processing Kinematic (PPK)	Horizontal: ±2.5mm+1ppm Vertical: ±5mm+1ppm
Real Time Kinematic (RTK)	Horizontal: ±8mm+1ppm Vertical: ±15mm+1ppm
Network RTK (VRS, FKP, MAC)	Horizontal: ±8mm+0.5ppm Vertical: ±15mm+0.5ppm
RTK Initialization	Time 2-8s, reliability >99.99%
Positioning Rate	1Hz-20Hz
Inertial Measurement	Tilt Angle: up to 60 degrees Accuracy: down to 2cm (Typically less than 10mm+0.7mm/°tilt)

Data Formats	
Positioning Data	NMEA 0183, PSIC, PJK, Binary Code
Differential Correction	RTCM 2.1, RTCM 2.3, RTCM 3.0, RTCM 3.1, RTCM 3.2,CMR,CMR+
Static	STH, Rinex 2, Rinex 3
Network	Supported VRS, FKP, MAC, Ntrip

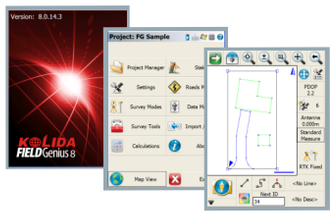
Operation Mode	
Base	Base SIM Network\ Bluetooth Base SIM Network\ Base WIFI
Rover	Rover SIM Network\ Rover Bluetooth
Static	Static\ PPK

Hardware	
Size	165mm*108mm
Weight	1.35kg
Data Storage	16GB SSD internal storage Support external USB storage (up to 64GB) Automatic cycle storage Changeable record interval Up to 20Hz raw data collection
Communication	1.3 inches colorful touch screen 3 Indicator lights, 2 Key Buttons 1 Type-C USB port 1 Micro SIM card slot Linux OS WEB UI Linux OS, WEB UI, WIFI: 802.11 b/g/n standard Bluetooth 4.2 standard and Bluetooth 2.1+EDR NFC, Network: 4G LTE\3G WCDMA\2G GSM Supported USB, FTP, HTTP data communication
Voice Guide	Intelligent voice technology provides status indication and operation guide Chinese, English, Korean, Russian, Portuguese, Spanish, Turkish and user define
Environment	Operating: -30°C to +70°C Storage: -40°C to +80°C
Humidity	100% condensation
Ingress Protection	IP68 waterproof, sealed against sand and dust
Shock	Survive 2m pole drop on concrete

Power	
Battery	7.2V, 10000mAh unremovable battery
Battery Life	Base up to 10 -14 hours Rover up to 20 - 27 hours Static up to 25 - 30 hours Idle mode up to 30 hours (when environment temperature is 25℃)
Fast Charge	30 minutes upto 60% charge
Fast Charge	3.5 - 4 hours charge to full power
USB recharge	Supported

FIELD SOFTWARE

K Survey



Field Genius

Surv X

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