



Right to be accurate

GNSS RECEIVER

Focus 3

Small. Light. Powerful.



- Centimeter-level Accuracy

- Modular Design

- External Power Supply

- Smaller & More Portable

- Lightweight & Trendy Design

GNSS RECEIVER

Focux 3

Small. Light. Powerful.



1408

Channels

Full global constellation coverage

250 g

Lightweight

Only 250 g, built for the field

4

GNSS Systems

BDS · GPS ·
GLONASS ·
Galileo

20 Hz

Update Rate

Real-time high-frequency output

1408 CHANNELS · HIGH PRECISION

Supports full-constellation satellite signals and delivers centimeter-level accuracy for professional applications.

BDS

GPS

GLONASS

Galileo

WIDE APPLICATIONS

Land Surveying

Engineering Surveying

GIS

Agriculture

Machine Control

Electric Power

Water Conservancy

Environmental Protection

Real Estate

Outdoor Adventure

Reliable

Stable performance in tough environments

Flexible

Easy to integrate with various platforms

Efficient

Boost productivity in the field

Professional

Built for professionals, trusted worldwide

GNSS

Channels	1408
GPS	L1C/A, L2P(W), L5
GLONASS	G1, G2
Galileo	E1, E5b, E5
BDS	B1I, B2I, B3I, B1C, B2a
QZSS	L1, L2, L5
Positioning rate	20 Hz
Signal reacquisition	< 5 s

GNSS ACCURACIES (RTK)

Horizontal accuracy	8 mm + 1 ppm RMS
Vertical accuracy	15 mm + 1 ppm RMS
Initialization time	< 10 s
Initialization reliability	> 99.9%

STAND-ALONE

Horizontal accuracy	1.5 m
Vertical accuracy	2.5 m
Positioning rate	Max. 20 Hz

COMMUNICATIONS

Bluetooth	BT 4.1, backward compatible with BT 2.x
APP supported OS	Android OS
Data formats	NMEA-0183, NTRIP Client
Correction data	RTCM 2.3, RTCM 3.x, CMR
Ports	Type-C (power supply)

POWER

Power consumption	< 0.5 W (Rover)
External power input	5 V DC
Power supply	External power bank

PHYSICAL

Size	107.6 × 40 × 38 mm (4.24 × 1.58 × 1.50 in)
Weight	250 g (0.55 lb)
Shell material	Aluminum alloy + ABS
Working temperature	-45 °C to +75 °C (-49 °F to +167 °F)
Storage temperature	-55 °C to +85 °C (-67 °F to +185 °F)
Shock resistance	Survives a 2 m pole drop
LED indicator	1 × status LED
Ingress protection	IP67 waterproof & dustproof, protected from temporary immersion up to 2 m
Humidity	100% condensation

*All specifications are subject to change without notice.

(1) Accuracy depends on the open sky, free of multipaths, optimal GNSS geometry and atmospheric condition.

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