



Right to be accurate



Focus 7

High Precision Network RTK Rover

Smaller & Lighter

Full Constellation

Flexible Use with Cellphone

1408 Channels

6400mAh Battery

IP54 Rating

0.45kg

Key Features



Compact Size
Battery, antenna & BT in one body



Full Constellation
BeiDou, GPS, GLONASS, Galileo, QZSS



Type-C Charging
Universal standard Type-C interface



6400mAh Battery
20+ hours of continuous operation



Bluetooth 4.0
Built-in wireless for Android



IP54 Protection
Waterproof & dustproof



Ultra-Lightweight
Only 0.45kg for field work



Versatile Mounting
Handheld or range pole mounted



GeoCell Software
Survey, stakeout, CAD, CORS

Application Scenarios

Forestry

Infrastructure

Urban Planning

Environmental

Traffic Mgmt.

Disaster Response

Agriculture

Outdoor Travel

Land Surveying

Power Inspection

Water Conservancy

Education

Why Focux 7



8mm+1ppm Centimeter-Level Accuracy
Reliable cm-level precision for surveying and mapping in any environment.



20+ hrs All-Day Battery Life
6400mAh battery for all-day RTK field work with Type-C charging.



0.45kg Ultra-Portable Design
Compact and rugged IP54-rated design for field deployment.

Supported GNSS Systems

GPS

GLONASS

Galileo

BeiDou

QZSS

SBAS

Software Ecosystem

GeoCell (Android OS) | Supports CORS / NTRIP | CAD & GIS Ready

GNSS

Channels: 1408

GPS: L1C/A, L1C, L2P(Y), L2C, L5

GLONASS: G1, G2, G3

Galileo: E1, E5a, E5b, E6

BDS: B1I, B2I, B3I, B1C, B2a, B2b

QZSS: L1C/A, L1C, L2C, L5

SBAS: L1C/A

Positioning rate: 1 Hz (Max. 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%

Tilt compensation: 0–60°, 25 mm within 30°

Time to first fix (cold start): < 25 s

STAND-ALONE

Horizontal accuracy: 1.5 m

Vertical accuracy: 2.5 m

Positioning rate: Max. 20 Hz

COMMUNICATIONS

Bluetooth: BT 4.0

APP supported OS: Android OS

Data format: NMEA-0183

Correction data: RTCM 3.3 / 3.2 / 3.1 / 3.0

Port: Standard Type-C connector

POWER

Power consumption: 1 W

External power input: DC 5 V, max 1 A

Battery capacity: 6400 mAh

Battery life: 20+ hours

PHYSICAL

Size: 80 × 70 × 69 mm (3.15 × 2.76 × 2.72 in)

Weight: 0.45 kg (0.99 lb)

Shell material: Magnesium alloy + ABS

Working temperature: -45 to +75 °C (-49 to +167 °F)

Storage temperature: -55 to +85 °C (-67 to +185 °F)

Shock resistance: Survives a 2 m pole drop

LED indicator: 2 LED indicators

Ingress protection: IP54 waterproof & dustproof

Buttons: 1 physical button

* All specifications are subject to change without notice. (1) Accuracy depends on open sky, free of multipaths, optimal GNSS geometry and atmospheric conditions. (2) Only Focux 7 (elite) supports tilt. (3) Battery life is subject to operating temperature.



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