T3-NR

GNSS Network Rover

Key Features

- GNSS & MEMS IMU
- Small Size
- Light Weight
- 25 Hours Battery Life
- Bluetooth, WiFI, USB
- LED Status

The T3-NR is small and light GNSS Network Rover with an integrated MEMS IMU designed for a full day of field work. Paired with J-Mobile Tools for data collection, the T3-NR easily connects to Real Time Networks for corrections to get GNSS RTK with IMU tilt compensation. With 25 hours run time on a single charge, the T3-NR provides all-day operation without needing a battery swap or recharge.

T3-NR Specifications

Number of Channels	874	
GNSS Constellations	GPS	L1 C/A, L1C(P+D), P1, P2, L2C(L+M), L5(I+Q)
	GLONASS	L1 C/A, P1, P2, L2C, L3(I+Q)
	GALILEO	E1(B+C), CBOC, E5A(I+Q), E5B(I+Q), AltBoc
	BeiDou	B1, B1C(P+D), TMBOC, B2B(I+Q), B2, B2A(I+Q), AltBoc
	QZSS	L1 C/A, L1C(P+D), L1S, L1Sb, L2C(L+M), L5(I+Q), L5S
	SBAS	L1, L5
	IRNSS	L5
	L-Band	1525 - 1560 MHz
Position Accuracy	Autonomous	< 2m
	DGPS	< 0.25m
	RTK	Horizontal: 0.008m + 1 ppm Vertical: 0.015m + 1 ppm
	Tilt Compensated RTK	RTK + 5mm + 0.5mm / ° tilt, up to 30°
	Static/Fast Static	Horizontal: 0.003m + 0.1ppm Vertical: 0.004m + 0.4 ppm
Time To First Fix	Cold Start	< 35 s
	Warm Start	< 5 s
	Reacquisition	< 1 s
Memory & Recording	Internal Memory	32 GB
	Data Recording	Up to 200 Hz
Status/Interface	LED Indication	Battery Status / External Power, Bluetooth, W-Fi, Satellites, Position Mode, Recording Status
	Buttons	Power On/Off, Recording On/Off
I/O	USB	Host / Device, USB2.0, micro B
	Wi-Fi	2.4 & 5 GHz, 802.11 ac/a/b/g/n
	Bluetooth	v 5.1, Class 2
	Power Input	3.5 mm Jack
Power	Battery	Internal Rechargeable Li-Ion (63.7 Wh)
	Battery Charger	Internal
	Operation Time	25 hours
	External Power Input	10 - 30 VDC
Physical & Environmental	Material	Plastic Cover, Metal Base
	Operating Temperature	-40° C to +60° C (-40 °F to 140 °F)
	Storage Temperature	-45° C to +85° C (-49 °F to 185 °F)
	Humidity	100% condensing
	Ingress Protection	IP68
	Dimensions	132 x 85 x 61 mm
	Weight	0.63 kg (1.39 lbs)

GNSS performance is dependent on signal quality, satellite geometry, ionospheric and tropospheric conditions, baseline length, multipath effects and RF interference. Specifications may be changed without notice.