



# DELTA-3S

Multi-Purpose GNSS Receiver



## Key Features

- All GNSS Constellations
- CORS Receiver
- Portable Base Station
- NTRIP Server & Caster
- Web User Interface
- CAN, Event, 1PPS
- External Frequency I/O

The DELTA-3S is designed for multiple GNSS applications where reliable correction data, timing, and event markers are required. Based on the TRIUMPH-3 ASIC, the receiver tracks all GNSS constellations with patented anti-jamming, anti-spoofing and multipath reduction technologies to excel with reliability and signal quality.

A simple Web User Interface sets up a Continuously Operating Reference Station (CORS) or Portable Base Station, with integrated NTRIP Caster and Server functions to transmit RTCM corrections via TCP or NTRIP.

Number of Channels	874	
GNSS Constellations	GPS GLONASS GALILEO BeiDou QZSS SBAS IRNSS	L1 C/A, L1C (P+D), P1, P2, L2C (L+M), L5 (I+Q) L1 C/A, P1, P2, L2C, L3 (I+Q) E1 (B+C), E5A (I+Q), E5B (I+Q), AltBoc, E6 (B+C) B1, B1-2, B1C (P+D), B5A (I+Q), B2, B5B (I+Q), B3 L1 C/A, L1C (P+D), L2C (L+M), L5 (I+Q), SAIF, LEX (P+D) L1, L5 L5
Position Accuracy	Autonomous (Stand alone) SBAS DGPS RTK Static/Fast Static	< 2 m < 1 m < 0.5 m Horizontal: 0.004 m + 1 ppm    Vertical: 0.070 m + 1.5 ppm Horizontal: 0.003 m + 0.1 ppm    Vertical: 0.004 m + 0.4 ppm
Network	NTRIP Caster TCP Server TCP Client NTRIP Server	5 Mount Points, unlimited connections 5 connections 9 connections 9 connections
Memory	Non-removable	up to 64 GB
Status/Interface	LEDs Keys	2, STAT & REC 2, Power, FN
Communication	Ethernet Wi-Fi Bluetooth USB 2.0 Serial Serial/CAN IRIG Timecode* 1PPS* Event Marker* External Frequency I/O GNSS Antenna	10BASE-T/100BASE-TX, 7-pin ODU 5GHz and 2.4GHz 802.11 a/b/g/n/ac 5.1 dual-mode Host & Device, 5-pin ODU 2 ports, RS232/RS422, up to 406800 bps, 7-pin ODU RS232/RS422, up to 406800 bps, CAN 2.0 M12, 8-pin ODU A134, A137, A124, A137, BNC 2 ports, BNC 2 ports, BNC BNC TNC
Power	Input Consumption	2 ports, 5-pin ODU, 4.5-40 VDC 4.5W, Typical
Physical & Environmental	Operating Temperature Storage Temperature Humidity Shock Vibration Dimensions Weight	-40 °C to +75 °C -40 °C to +85 °C 95% MIL-STD-810H (method 514.8) MIL-STD-810H (method 514.8) 132 x 61 x 190 mm (5.2 x 2.4 x 7.48 in) 0.75 kg (1.65 lbs)

\*back panel ports on Option C, excluded on Option A

