



DELTA-3S

Multi-Purpose GNSS Receiver



Key Features

- 874 Channels
- All GNSS Constellations
- Ethernet, USB, Serial
- IRIG Serial Time Codes
- CAN, 1PPS, Event
- 64GB Memory

The Delta-3S is a multi-purpose GNSS receiver that may be used as a Reference station receiver for post-processing data logging, as a Continuously Operating Reference Station (CORS) via Ethernet, or as a portable station for base / rover RTK. The Delta-3S provides all interfaces for IRIG time, CANBUS and Event markers for full application flexibility.

Number of Channels	874	
GNSS Constellations	GPS GLONASS Galileo BeiDou QZSS SBAS IRNSS LBAND	L1 C/A, L1C (P+D), P2, L2C (L+M), L5 (I+Q) L1 C/A, P1, P2, L2C, L3 (I+Q) E1 (B+C) including CBOC (6,1,1/11), E5A (I+Q), E5B (I+Q), AltBoc, E6 (B+C) B1, B1C (P+D) including TMBOC (6,1,4/33), B2B (I+Q), B2, B2A (I+Q), AltBoc, B3 L1C (P+D) including TMBOC (6,1,4/33), L2C (L+M), L5 (I+Q), L6 (L61/L62), L1S, L1Sb, L5S L1, L5 (P+D) L5, S 1525 – 1560 MHz
Position Accuracy	Autonomous (Stand alone) SBAS DGPS RTK Static/Fast Static	< 2 m < 1 m < 0.5 m Horizontal: 0.008 m + 1 ppm Vertical: 0.015 m + 1.5 ppm Horizontal: 0.003 m + 0.1 ppm Vertical: 0.004 m + 0.4 ppm
I/O	RS232 RS232 / RS422 USB 2.0 Ethernet IRIG Other I / O	Up to 460.8 Kbps Two High-speed configurable serial ports, up to 460.8 Kbps Dual-role port device / host Full-duplex 10BASE-T/100BASE-TX Timecode output A134, A137, B124, B137 CAN 2.0, 1 PPS, Event Marker
Memory	Non-removable	up to 64 GB
Status/Interface	LED's / Keys	2 / 2, Tripad
Power	Input Consumption	+4.5 to +35 Volts 4.5W, Typical
Physical & Environmental	Operating Temperature Storage Temperature Humidity Shock Vibration Dimensions Weight	-40 °C to +80 °C -40 °C to +85 °C 95% MIL-STD-810H (method 514.8) MIL-STD-810H (method 514.8) 109 x 35 x 141 / max 160 mm (4.3 x 1.4 x 5.6 / max 6.3 in) 0.42 kg (0.92 lbs)



Option A – Reference station

Back panel: GNSS Antenna



Option B – General Purpose

Back panel:

- GNSS Antenna
- Event
- 1PPS
- Ext. Frequency I/O



Option C – Mobile Applications

Back panel:

- GNSS Antenna
- Event
- 1PPS
- Serial Port D / CAN

Front panel

Interfaces for all modifications: PWR, USB, Serial Port A, Serial Port C, Ethernet