DELTAS-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 DELTAS-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 DELTAS-3S provides all interfaces for IRIG time, CANBUS and Event markers for full application flexibility.

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Number of Channels	874	
GNSS Constellations	GPS	L1 C/A, L1C (P+D), P2, L2C (L+M), L5 (I+Q)
	GLONASS	L1 C/A, P1, P2, L2C, L3 (I+Q)
	Galileo	E1 (B+C), E5A (I+Q), E5B (I+Q), AltBoc, E6 (B+C)
	BeiDou	B1, B1-2, B1C (P+D), B2, B3, B5A (I+Q), B5B(I+Q)
	QZSS	L5
	SBAS	L5
Position Accuracy	Autonomous (Stand alone)	< 2 m
	SBAS	< 1 m
	DGPS	< 0.5 m
	RTK	Horizontal: 0.004 m + 1 ppm Vertical: 0.070 m + 1.5 ppm
	Static/Fast Static	Horizontal: 0.003 m + 0.1 ppm Vertical: 0.004 m + 0.4 ppm
Network	NTRIP Caster	5 Mount Points, unlimited connections
	TCP Server	5 connections
	TCP Client	9 connections
	NTRIP Server	9 connections
Memory	Non-removable	up to 64 GB
Status/Interface	LED's / Keys	2: Static & Record / 2: Power & Function
Communication	Ethernet	10BASE-T / 100BASE-TX, 7-Pin ODU
	Wi-Fi	5GHz & 2.4GHz 802.11 a / b / g / n / ac
	Bluetooth	5.1 Dual-Mode
	USB 2.0	Host & Device, 5-Pin ODU
	Serial	2 Ports, RS232 / RS422, up to 406800 bps, 7-Pin ODU
	Serial/CAN	RS232 / RS422, up to 406800 bps, CAN 2.0 M12, 9-Pin ODU
	IRIG Timecode*	A134, A137, A124, A137, BNC
	1PPS*	2 Ports, BNC
	Event Marker*	2 Ports, BNC
	External Frequency I/O	BNC
	GNSS Antenna	TNC
Power	Input	2 Ports, 5-Pin ODU, 4.5 – 40 VDC
	Consumption	4.5W, Typical
Physical & Environmental	Operating Temperature	-40°C – +75°C
	Storage Temperature	-40°C – +85°C
	Humidity	95%
	Shock	MIL-STD-810H (Method 514.8)
	Vibration	MIL-STD-810H (Method 514.8)
	Dimensions	132 x 61 x 190mm (5.2 x 2.4 x 7.48in)
	Weight	0.75 kg (1.65 lbs.)

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

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