![JAVAD logo]

DELTAS-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 DELTAS-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	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), E5A (I+Q), E5B (I+Q), AltBoc, E6 (B+C)
	BeiDou	B1, B1-2, B1C (P+D), B5A (I+Q), B2, B5B (I+Q), B3
	QZSS	L1 C/A, L1C (P+D), L2C (L+M), L5 (I+Q), SAIF, LEX (P+D)
	SBAS	L1, L5
	IRNSS	L5

Position Accuracy	Autonomous (Stand alone)	< 2 m	
	SBAS	< 1 m	
	DGPS	< 0.5 m	
	RTK	Horizontal: 0.008 m + 1 ppm	Vertical: 0.015 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	LEDs	2, STAT & REC
	Keys	2, Power, FN

Communication	Ethernet	10BASE-T/100BASE-TX, 7-pin ODU
	Wi-Fi	5GHz and 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, 8-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 to +75 °C
	Storage Temperature	-40 °C to +85 °C
	Humidity	95%
	Shock	MIL-STD-810H (method 514.8)
	Vibration	MIL-STD-810H (method 514.8)
	Dimensions	132 x 61 x 190 mm (5.2 x 2.4 x 7.48 in)
	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.