

X900S-OPUS

Dual Frequency Static Receiver

Triple Constellation: GPS + GLONASS + BeiDou




120-Channel Precision Static Occupation GNSS Receiver


- Designed for NGS OPUS, perfect for OPUS Projects and all Static GPS Campaigns
- Standard RINEX files compatible with all processing programs
- Tracks **GPS**: L1/L2/L2C **GLONASS**: L1/L2 **BeiDou**: L1
- Large ground-plane geodetic antenna offers low angle tracking
- Simple 1-button (Power-Switch) operation
- Emulates USB External Drive for downloads
- Includes the iGage X9 PC Download Tool to automate OPUS online submissions
- 4-GB Internal Memory: stores 170+ days of 5-second observation data
- Rugged, Submersible, IP67



www.x90gps.com

X900S-OPUS Static Receiver Specifications

Price (MSRP) ¹	\$ 2,618 kit
GNSS Engine	NovAtel OEM6 (OEM615)
	
Measurements	120 channels, 3 constellations: GPS: L1C/A, L1C, L1P, L2 P(Y), L2C GLONASS: L1, L2 BeiDou: B1 5-hz rate
Post-Processing Static Performance (RMS) ²	Horz 5 mm + 1 ppm Vert 10 mm + 1 ppm
Mounting	Standard 5/8" 11-TPI bottom mount
Initialization	Cold Start < 50 seconds; Hot Start < 35 seconds
Physical	Size (L x W x H): 7.5 x 7.9 x 3.3 in (190 x 200 x 84 mm) Weight: 3 lbs. 1 oz. (1.4 kg) with battery Operating temperature: -40°F to 149°F (-40°C to +65 °C) Storage temperature: -40°F to 167°F (-40°C to +75°C) Humidity: 100% condensation Waterproof and dust proof: IP67 protected from temporary, immersion to depth of 1-meter, floats Shock: survives a 2-meter drop to concrete
Electrical	Power consumption: 2 watts (0.275 A @ 7.4V) Lithium-Ion battery capacity: 2.2 Ah, 7.4 V, accepts 2.6 Ah extended Battery Life ³ : Up to 8-hours typical, 1,000 charge cycles External power input accepts 9 to 18 VDC Communication: 10-pin Lemo: USB: GPS Device mounts as an external drive Serial: RS232 Communications and Configuration Port Optional: Heavy Duty External Power Cable \$146
Internal Storage	4-GB Flash. ~170-days (5.6 months) storage with 5-second epochs, 7-years with 30-second epochs ⁴
Warranty	2-year warranty; accessories 1-year; batteries 90-days

	<p>What is in the heavy-duty waterproof case?</p> <ul style="list-style-type: none"> X900S-OPUS Precision Static GPS+GLO+BDU Receiver 2-Batteries Combination USB + Serial + Power Download Cable Dual-Charger with Power Supply, wall cord External Alligator-Clip Power Cable (for charger or head power) Hold-A-Pole Printed User's Manual iGage X9 Download and Submission Tool CD
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X900S-OPUS Complete Kit

¹ Price includes 3-day Shipping to most USA address.

² Precision and performance values assume a minimum of 9-satellites in multipath clear, EMI free, obstruction free environment with reasonable atmospheric conditions and satellite geometry. Post-processed accuracy is dependent on baseline length and time-on-point, 24-hour observations may be required. Stable mounts and generally accepted survey practices are required for the highest order survey results.

³ Battery life varies with temperature and battery age. An external power source is recommended for static occupations lasting longer than 6-hours. Elevated and extreme cold working or storage temperatures (> 85°F, <-20°F) hasten capacity loss.

⁴ Assuming 14-tracked satellites.

Prices, specifications and descriptions are subject to change without notice. Please call us for the latest information and a custom quotation.

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