xML2

Multi-Frequency RTK GNSS

xML2 is a pocket-size modular RTK GNSS receiver that converts any Android or Windows-based field computers into a high-accuracy positioning system.

Multi Constellation. xML2 is capable of tracking and processing multiple constellation/frequencies of GNSS satellites. This enables it to reach centimeter-level accuracy within a few seconds.

Pocket Size. With its dimensions of 115 x 62 x 24 mm and weight of <300 grams, it will fit in all environments where centimeter level of accuracy is needed.

Rugged. XML2 has been built to withstand harsh environments. It meets the IP67 standards against dust and water. Metal housing contains an internal structure that is resistant to impacts.

Simple Operation. Running XML2 is as simple as pressing the power button. It doesn't require any special setup apart from sending RTK corrections in any format via Bluetooth. It automatically decodes/applies the corrections and sends NMEA messages.

NMEA/Geolocation. XML2 is a highly qualified GNSS receiver. It is compatible with any NMEA or Geolocation software that provides high accuracy positioning.

Long Battery Life. With its extensive battery life of >20 hours, no matter how long the daily operation takes, or no matter what the temperature conditions are, XML2 keeps producing RTK position information with cm accuracy.

Swedish Engineering. The development of XML2 has been based on inputs from geospatial professionals, in combination with Swedish engineering know-how and genuine knowledge in function and quality.

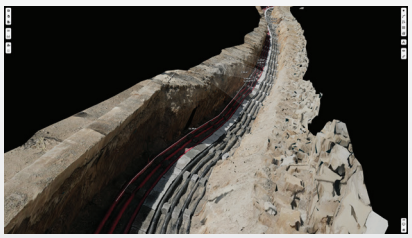
Carlson xML2 - Specifications

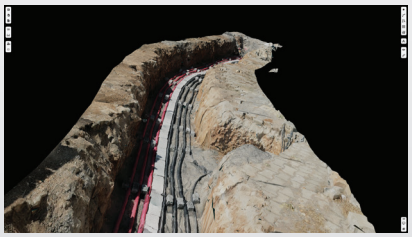
GNSS Receiver	
Type	Multi-band GNSS high precision receiver
Tracking	GPS (L1 C/A, L2C)
	GLONASS (L1OF, L2OF)
	GALILEO (E1-B/C, E5b
	BEIDOU (B1I, B2I)
	QZSS (L1 C/A, L1S, L2C,)
	SBAS (L1 C/A)
Accuracy	1cm + 1ppm (CEP)
Channels	184 Channel
Antenna Options	Survey or Helical

Mechanical Properties	
Dimensions	115 x 62 x 24 mm (without antenna)
Weight	278 gram (with GNSS and BT antenna)
Water/Dust	IP67

Data Communication	
Correction	RTCM 3.0, 3.1, 3.2, 3.3, MSM (Auto Decoding)
NMEA	Up to 10 Hz
Bluetooth®	SPP

Power	
Battery Life	20 hours
Charging	SV 2A DC (via USB)





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