STONEX

SFS topo

X120GO Accessories

X120GO SLAM Laser Scanner Accessories

www.sfs-topo.fr

STONEX SLAM

X120^{GO} ACCESSORIES

The X120^{GO} SLAM scanner is equipped with a very interesting range of accessories, which facilitate its use in the field and cover different scenarios.
The backpack and shoulders hook distribute weight on the body, both ideal solutions for large surveys.
The tablet holder allows you to constantly have an eye on the GO*app* scan preview.
If you are interested in putting your work into a global reference system, you can use the RTK module that integrates scanning with GNSS location. This will avoid you from collecting ground control points.
Lastly, the vehicle mount is versatile for any surface and combines GNSS data.

VEHICLE MOUNT

Securely mount your X120^{GO} on a vehicle to collect data on urban environments. Choose between suction cups or magnets and drive up to 20 km/h.

PHYSICAL SPECIFICATIONS	
Frame material	Aluminum
Weight	6.3 kg
Size (docking excluded)	250mm×180mm×660mm
Configuration	X120^{GO} - SC600^{+} - SA85
Docking mode	Suction cups or magnets
Suction cups load	Horizontal: 60 kg Vertical: 40 kg
Suction cups operating temperature	-20°C to +70°C

POWER	
Operating time	4h
Capacity	3 Ah
Voltage	20V-30V

SHOULDERS HOOK

Distribute weight over both shoulders, freeing your hands. Adjustable in both height and angle, it is easy to put on and take off.

PHYSICAL SPECIFICATIONS	
System Weight	3.2 kg
Size	300mm x 300mm x 640mm

STONEX

LASER SCANNING SOLUTIONS

TABLET HOLDER

You can use your tablet docket to X120^{GO} to have one hand free while surveying. The tablet mounted on the back of the scanner allows you to always have eyes-on scan real time preview.

PHYSICAL SPECIFICATIONS	
Min Width	1,75" (4,44 cm)
Max Width	4,5" (11,43 cm)

RTK120^{GO}

SFS topo

RECEIVER	
Satellite Signals Tracked	GPS L1, L2
	GLONASS L1, L2
	GALILEO E1, E5b
	BDS B1, B2
Single Point Positioning (RMS)	Horizontal: 1.5 m Vertical: 3.0 m
DGPS (RMS)	Horizontal: 0.4 m Vertical: 0.8 m
RTK (RMS)	Horizontal: 1 cm + 1 ppm Vertical: 1.5 cm + 1 ppm
Data Update Rate	20Hz
Time Accuracy	20ns
Speed Accuracy (RMS)	0.03 m/s

INTERNAL MODEM	
Network	LTE FDD: B1/B3/B5/B8 LTE TDD: B34/B38/B39/B40/B41 GSM: 900/1800MHz

SYSTEM	
Storage	Micro SD
Communication	Bluetooth

PHYSICAL SPECIFICATION	
RTK120^{GO} Weight	1.8 Kg
Size	196 mm × 80 mm × 39 mm
Operating Temperature	-20° C to +50° C (-4° F to 122° F)
Storage Temperature	-20° C to +55° C (-4° F to 131° F)
Waterproof/Dustproof	IP54

ANTENNA	
Size	27.5 mm × 56 mm
Weight	15.3 g
Optional	SA85 for backpack

POWER SUPPLY	
Type-C USB	20V
Aviation socket	12V-20V

There are several reasons why the RTK module is worth using. First, it places your point cloud in a global coordinate system, but it can also be useful in large surveys to improve the composition of the final 3D model. Indeed, RTK module can help the system, adding GNSS info to LIDAR and IMU.
If the GPS does not have a satellite connection, such as indoors, the system will rely on LIDAR and IMU to locate itself.

www.sfs-topo.fr

BACKPACK

A solution to mount X120GO on your back and to combine it with a GNSS antenna. Extended surveys will become a simple walk. Choose between the frame version or the rigid one; the latter can be used as transport case too.

HARD SHELL BACKPACK

PHYSICAL SPECIFICATIONS

Material	Nylon, aluminum, plastic
Volume	28.5 l
Size (for carriage)	402mm × 220mm × 542mm
Size (working mode)	402mm × 220mm × 1170mm
Weight	7.5 kg
Configuration	X120GO - SC600+ - SA85

POWER

Operating time	4h
Capacity	3 Ah
Voltage	20V-30V

* A frame backpack model is available on request

GNSS RECEIVER TECHNICAL FEATURES (car mount and backpack configurations)

RECEIVER

Satellite signals traked	GPS L1C/A, L1C, L2C, L2P, L5
	GLONASS L1C/A, L2P, L2C, L3
	GALILEO E1, E5a, E5b, E6
	BDS B1, B2, B3
	QZSS L1C/A, L1C, L2D, L5
DGPS (RMS)	Horizontal: 0.4m Vertical: 0.8m
RTK (RMS)	Horizontal: 8mm+1ppm Vertical: 15mm+1ppm
Data update rate	10Hz
Speed accuracy (RMS)	<0.03 m/s

INTERNAL MODEM

Network	LTE FDD: B1/B2/B3/B4/B5/B7/B8/B12/ B13/B18/B19/B20/B25/B26/B28 LTE TDD: B38/B39/B40/B41 UMTS: B1/B2/B5/B6/B8/B19 GSM: B2/B3/B5/B8

INTERNAL UHF

Frequency range	410 - 470 MHx 902.4 -928 MHz
Band width	12.5 KHz /25 KHz
Max range	3-4 km in urban environment 10 km in optimal conditions

PHYSICAL SPECIFICATION

Operating temperature	-30° C to +65° C (-22° F to 149° F)
Storage temperature	-40° C to +80° C (-40° F to 176° F)
Waterproof/Dustproof	IP67

SYSTEM

Storage	Internal 8GB Micro SD, up to 32GB
Communication	Bluetooth, Wi-fi

POWER SUPPLY

Aviation socket	12V-20V

SC600+ is a multifunctional, multi-constellation GNSS, equipped with dual processors and engineered to achieve low power consumption.

Illustrations, descriptions and technical specifications are not binding and may change

www.sfs-topo.fr

STONEX®
Viale dell'Industria 53 - 20037 Paderno Dugnano (MI) - Italy
Phone +39 02 78619201
www.stonex.it | info@stonex.it

UNI EN ISO 9001:2015 - X120GO ACCESSORIES - AUGUST 2023 - VER02 - REV-01