X200^{GO} – Product description

GNSS board
External antenna is needed

LiDAR
300-meter range | 640k pts/s | 3 returns

Rotating head
360° coverage

RGB cameras
2 units | 12 Mpx each | 360° FOV

SSD storage
512GB built-in SSD storage disk

Extended interface
External equipment support (e.g. UAV)

Dismountable Handle
Replaceable lithium battery handle

LED bar
Know the status of the device

GCP base
Collect ground control point while scanning

STONEX

X200^{GO} – Technical specifications

LiDAR	
Sensor model	Hesai XT32M2X
Min range	0.5 m
Max range	300 m , 80 m @10%
Channels	32
Returns	3
Scanning point frequency	Single Ret.: 640.000 pts/s Dual Ret.: 1.280.000 pts/s Triple Ret.: 1.920.000 pts/s
Field of view	360° x 270°
Laser class	1

STONEX

X200^{GO} – Technical specifications

Accuracy	
Relative	Up to 6 mm *
Global	Up to 2 cm *
Global on UAV platform	<5 cm *

* In controlled environment

System	
Communication	Wi-fi, Bluetooth, USB type-c, Lemo
Data storage	512GB SSD
Operating time	1.2h (single battery)
Weight	1,4 kg (without battery) 1,9 kg (with battery)
Dimention	403,6 x 173,8 x 170 mm
Operating temperature	-20° C to +50° C (-4° F to 122° F)
Waterproof/Dustproof	IP54

X200^{GO} – Technical specifications

RGB Camera	
Pixels	24 Mpx (2 cameras, 12 Mpx each)
Diagonal FOV	210°
Focal Length	1.26mm
Resolution	4000x2000px

GNSS Receiver	
Satellites Signal	GPS: L1C/A/L2P(Y)/L2C/L5 GLONASS: L1/L2 Galileo: G1/G2 BDS: B1I/B2I/B3I QZSS: L1/L2/L5
Fixed RTK (RMS)	Horizontal: 0.8cm+1ppm Vertical: 1.5cm+1ppm
Antenna	Included - SA85 optional

STONEX

X200^GO – Data capturing

GO*app*

Use **GO*app*** to see the point cloud in real time, update firmware and manage projects.

The APP runs on Android and iOS devices.

GET IT ON
Google Play

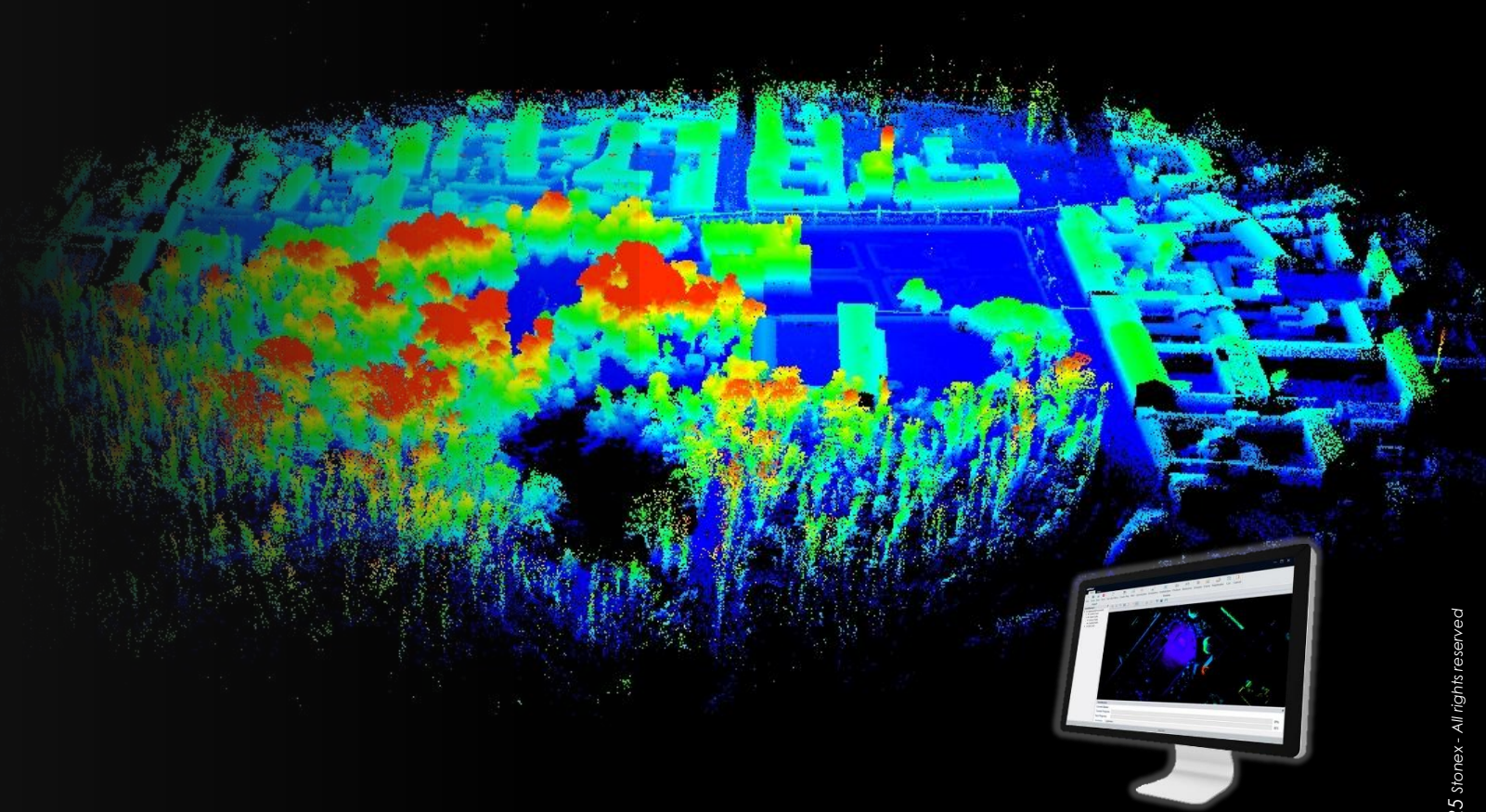Download on the
App Store

STONEX

X200^{GO} – Data processing

GO*post*

Windows post processing software:

- *Optimization processing*
- *Coloring of point clouds*
- *Rototranslation*
- *Elastic compensation on GCP*
- *Accuracy report with check points*
- *Panorama generation*
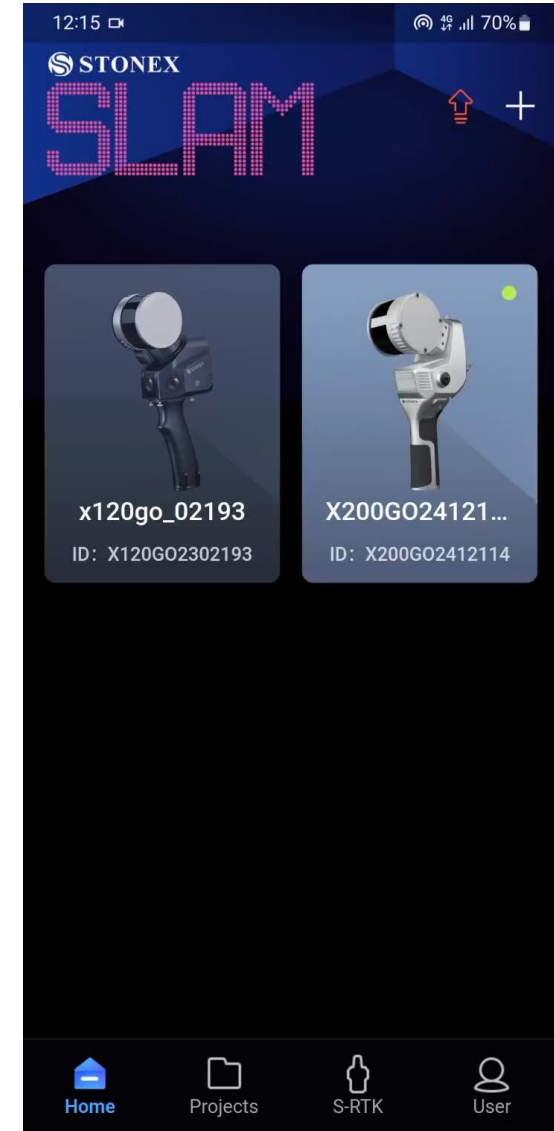- *Geotag extraction*

STONEX

X200ᴳᴼ – Features

Real time with asbolute coordinates

Real time coloring

Mapped and coloured results can also be generated on board.
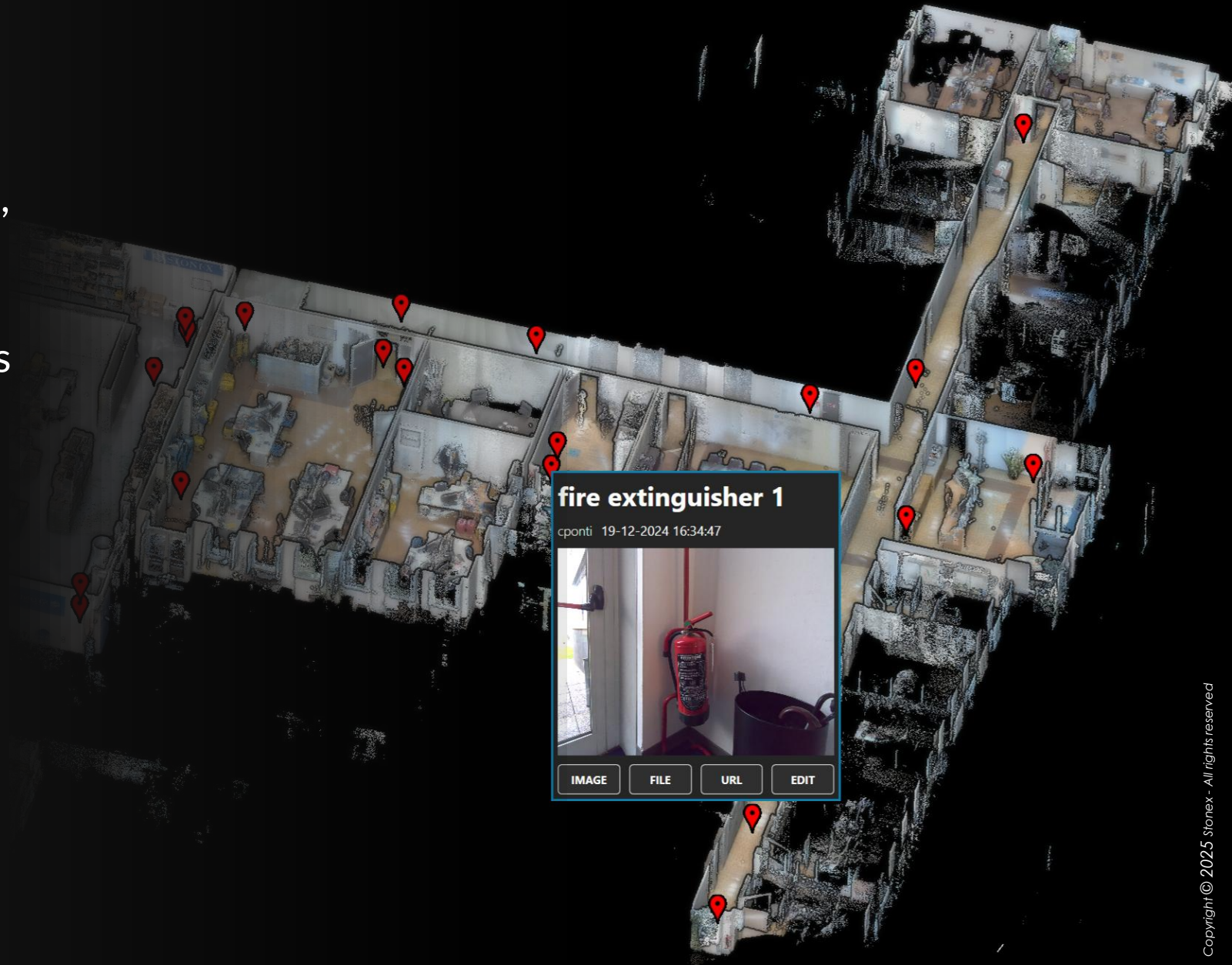
STONEX

X200^{GO} – Geotags

As all the other Stonex SLAM devices, you can collect geotags during your survey.

While you are in the field, take photos and these will be located within the point cloud for later reference.

The perfect solution for facility management application!

fire extinguisher 1
cponti 19-12-2024 16:34:47

IMAGE   FILE   URL   EDIT

STONEX

X200^{GO} – Panoramic images

The 2 integrated 24 Mpx cameras can be used to generate spherical images.

Overlaid on the point cloud make measurements immediate.

STONEX

X200^{GO} – X⚡WHIZZ_{MODE}

X200^{GO} combines mobile survey with stationary scans.

Walk around the scene to collect the entire point cloud. In the areas where you need more detail, stand still with the device to perform a static scan with the X-Whizz mode.

The perfect trade-off for who needs **speed and details** in a mobile survey!
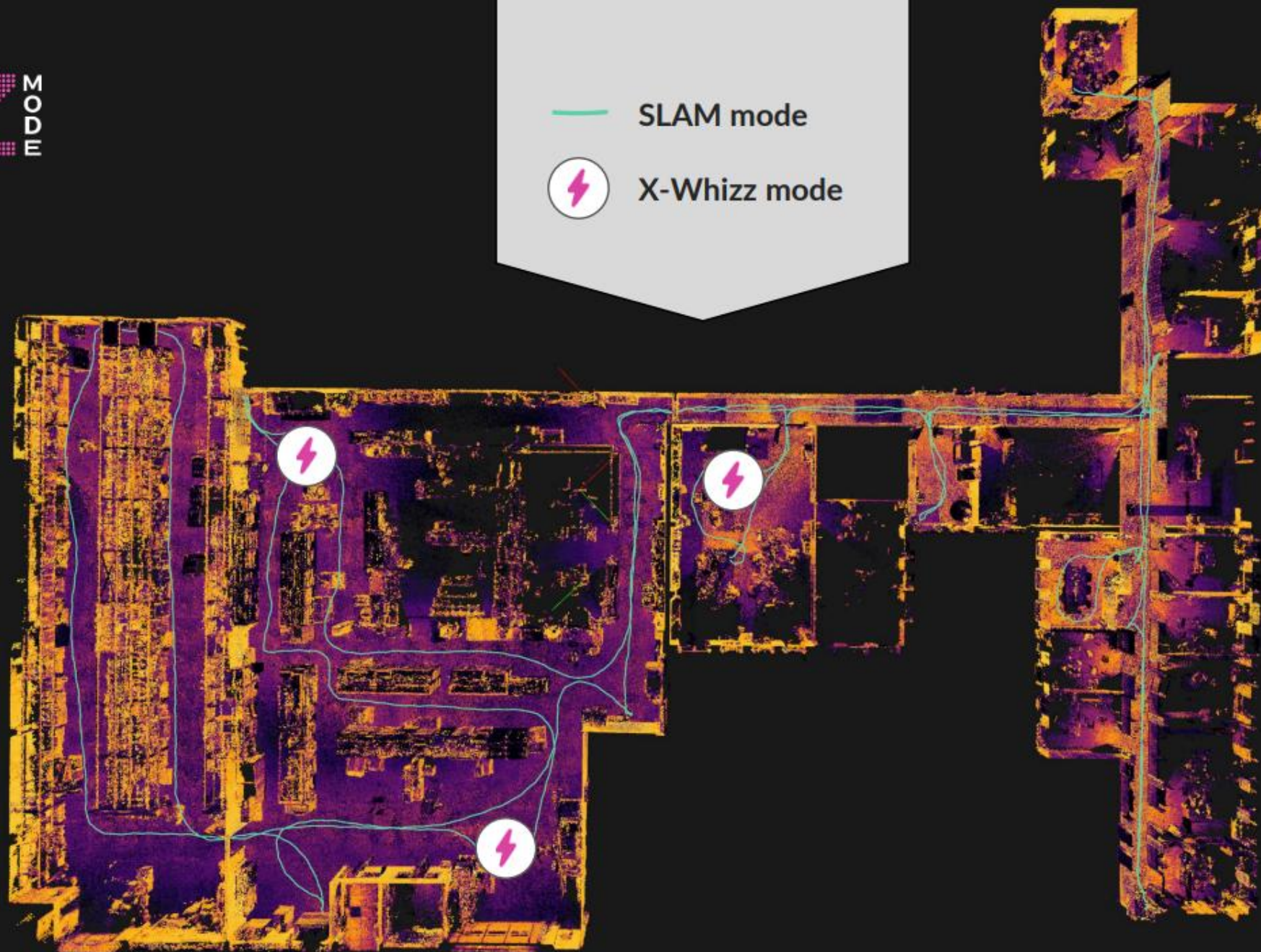
Mobile SLAM mode
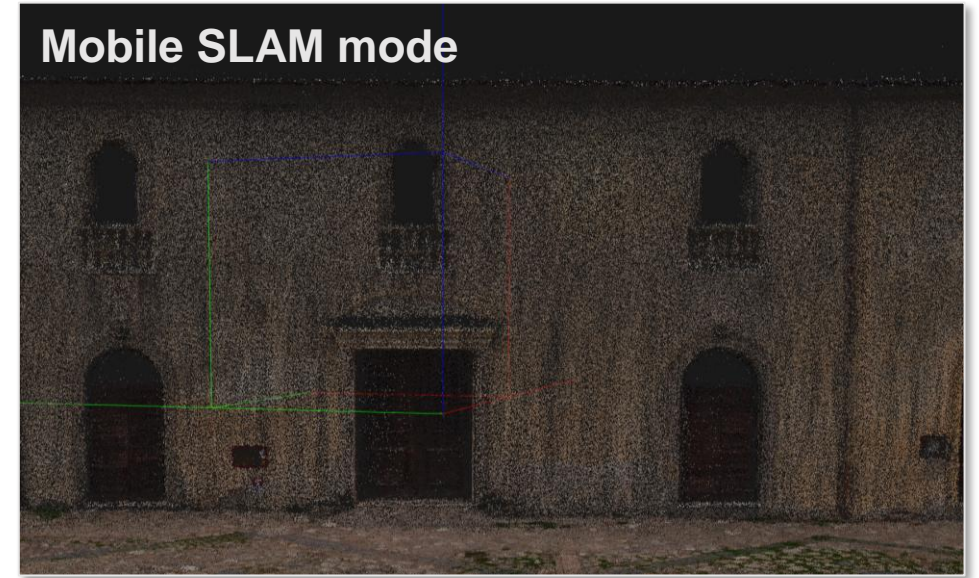
X-Whizz static mode

STONEX

X⚡WHIZZ MODE

SLAM mode

⚡ X-Whizz mode

**Hybrid survey
SLAM + X-Whizz**

SLAM: 8 minutes
X-Whizz: 80 secs each

STONEX

X200^{GO} – UAV mount

Complete your survey by mounting the X200^{GO}
to the DJI M350 drone.

- Power supply and RTK corrections are transmitted by the drone.

- 3 returns, selectable from GOapp

- Initialize the device on the drone, waiting till GOapp ends the countdown.

- Data processing from GOpost

STONEX

X200^{GO} – UAV mount

	X200^{GO}	XFLY
Processing	SLAM algorithm	Boresight calibration PPK software
IMU		Higher performances
Color	2 fisheye cameras. Ground resolution may be low	Dedicated camera

On UAV, X200^{GO} will not have same performances as XFLY!

Configuration

STONEX

X200^{GO} – Configuration

	Product code	Description	Q.ty
	X200GO, SLAM Handheld laser scanner		
1	30-350813	X200GO, Transport case	1
2	30-350736	X200GO/X70GO/X40GO, battery handle	1
3	30-350737	X200GO/X70GO/X40GO, GCP base	1
4	30-350740	X200GO/X70GO/X40GO, charger	1
5	30-350741	X200GO/X70GO/X40GO, power cable	1
6	30-350814	X200GO, Quick release bracket	1
7	30-350815	X200GO, Antenna	1
8	30-350657	GOpost, software dongle key	1

STONEX

X200^{GO} – Software Bundle Configuration

cube·3d

Product code	Description
B60-200464	X200GO + Cube3D SCANNER

aplitop

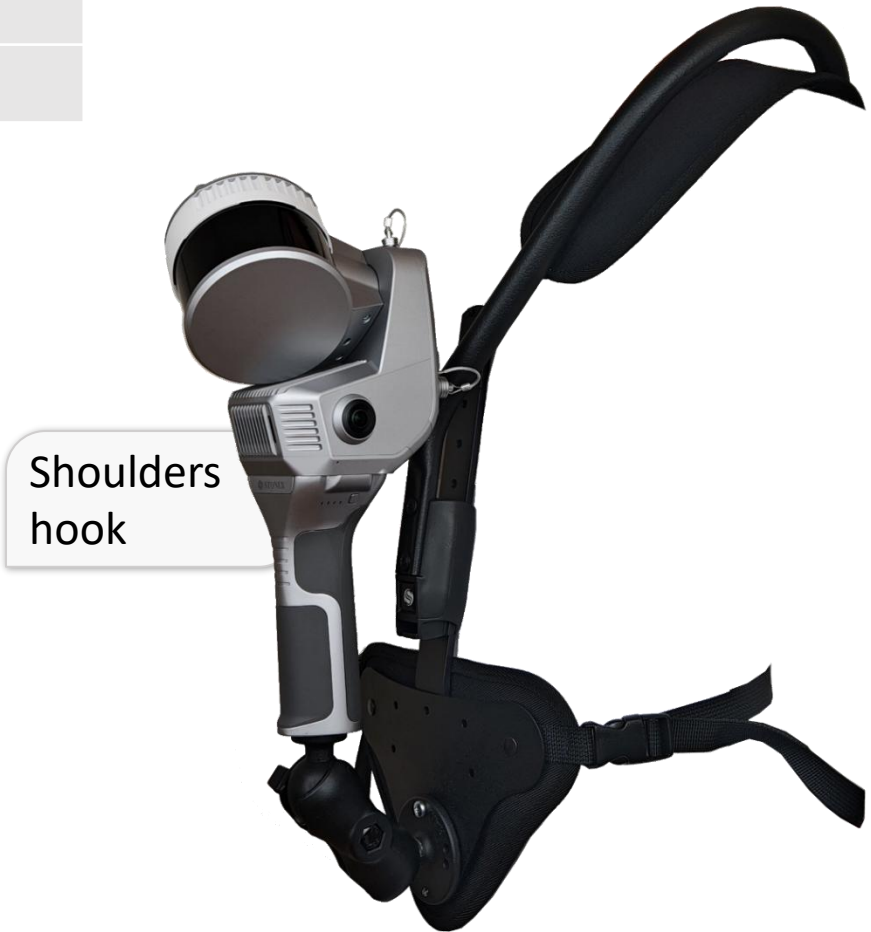| Product code	Description
B60-200465	X200GO + TCP PointCloud Editor

PointCab

Product code	Description
B60-200461	X200GO + PointCab Essential (12 months)
B60-200462	X200GO + PointCab Origins
B60-200463	X200GO + PointCab Origins 3D

STONEX

X200^{GO} – Accessories

Product code	Description
30-350777	X200GO/X40GO, Shoulders hook
30-350817	X200GO, Tablet holder

Tablet holder

Shoulders hook

STONEX

X200^GO – X-Whizz pole

Product code	Description
30-350743	X200GO/X70GO Telescopic monopod with tripod stand

STONEX

X200^{GO} – Backpack

	Product code	Description	Q.ty
	B30-000006	**X200GO, Frame Backpack bundle**	
1	30-350755	X200GO/X120GO/X70GO, Frame backpack	1
2	30-357138	SA85, Geodetic antenna	1
3	30-350812	X200GO, Cable for external antenna	1

STONEX
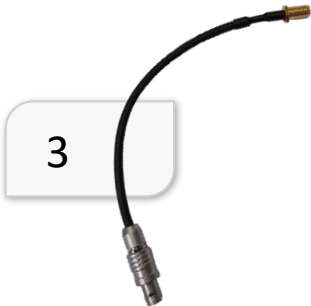
X200^{GO} – UAV mount

	Product code	Description	Q.ty
1	30-350816	X200GO, UAV platform for DJI M350	1
2 *	30-350727	DJI M300/350 Vibration isolator	4

* highly suggested to reduce the vibration

Available from April

1

2

STONEX

X200^{GO} – Vehicle mount

	Product code	Description	Q.ty
	B30-000007	**X200GO, Vehicle mount bundle**	
1	B60-200425	X200GO/X120GO, Vehicle mount	1
2	30-357138	SA85, Geodetic antenna	1
3	30-350812	X200GO, Cable for external antenna	1

1

Available from April

2

3

STONEX

X200^GO – Services

| Product code	Description
40-WE2011	X200GO/X120GO/X70GO/X40GO Warranty Extension 2° Year (Lidar excluded)
40-WE3029	X200GO/X120GO/X70GO/X40GO Warranty Extension 2° and 3° Years (Lidar excluded)
40-100215	SLAM Calibration certificate renewal (12months)
40-100209	SLAM Factory re-calibration

More info:

Calibration Service

STONEX

Marketing
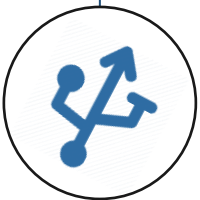
STONEX

X200^{GO} – Unique Selling Proposition
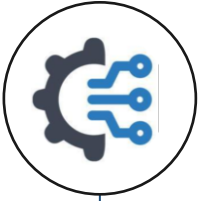
STRONG SLAM ALGORITHM
The hardware components for SLAM products are the same throughout the market. The uniqueness of Stonex SLAMs is in the stability and strength of the algorithm, which is able to reconstruct complex scenarios that are not trivial for this type of technology.
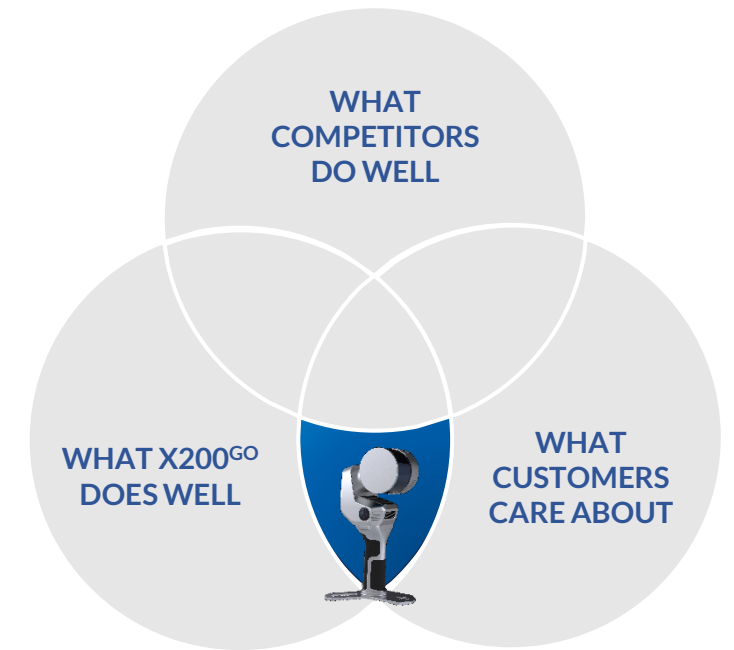
ALL IN ONE DEVICE
The embedded cameras (able to generate spherical images) and the GNSS board make the system complete.

WIDE RANGE OF ACCESSORIES
Backpack, shoulders hook, car mount and holder for DJI M350 can complete the system.

WHAT COMPETITORS DO WELL

WHAT X200^{GO} DOES WELL

WHAT CUSTOMERS CARE ABOUT

STONEX

Stonex SLAM - Differences

Application	X120^{GO}-X200^{GO}	X40^{GO}-X70^{GO}
🏠 BIM & Real estate	✔	✔
🛒 Tunnel & Mining	✔	✔
⚡ Energy & Power	✔	
🏭 Facilities / Industrial	✔	✔
🚗 Mobile mapping	✔	
🌲 Forestry	✔	

* Limitations are mainly due to LiDAR range

STONEX

Stonex SLAM - Differences

Platform	X200^{GO}	X120^{GO}	X70^{GO}	X40^{GO}
RTK	Built-in	RTK module	RTK module	-
Backpack	✔	✔	✔	-
Vehicle mount	✔	✔	-	-
Pano camera	Built-in	Insta X4	Insta X4	Insta X4
UAV	DJI M350	-	-	-

STONEX

STONEX

VISIT OUR WEBSITE
www.stonex.it

WE ARE HERE
Paderno Dugnano (Milano) - Italy