

X300^{NEW} Laser Scanner

3D Laser Scanning
that works, anywhere



X300^{New}

Simple, tough,
accurate

The right tool for your daily work

STONEX X300 is a 3D Laser Scanner designed to provide accurate data every time and for any project.

The ease of use, reliability, flexibility and price make X300 a highly competitive product, now further improved with new features.

The X300 File Manager tool allows you to convert the data collected with the X300 Laser Scanner into Stonex Reconstructor file format or other standard formats.

The files obtained can be used directly in third party software, such as CAD, forensic analysis or road accident analysis.



RUGGED DESIGN

The fully sealed case protects your investment making it possible to get the job done where others fail, regardless of dust, humidity, heat or bumps.



EASE OF USE

Push one button and control X300 with your smartphone or tablet. Laser scanning has never been easier.



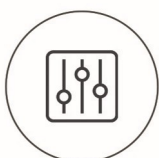
PRICE AND QUALITY

X300 balances the performance you really need in a wide range of applications with a reasonable price.



HQ CAMERA

Sony 16 Mpx sensor, low distortion lens with HDR. Brilliant coloration and wide tonal range.



COMPLETE CONTROL

Full Camera Control: Exposure, gain, white balance...



MADE IN ITALY



STONEX RECONSTRUCTOR

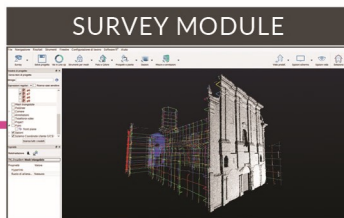
Powerful and usable 3D Software

The Stonex Reconstructor software allows you to manage and align point clouds acquired through laser scanners or other sensors, such as the Stonex F6 handheld scanner, clouds produced by photogrammetry and in general any point cloud.

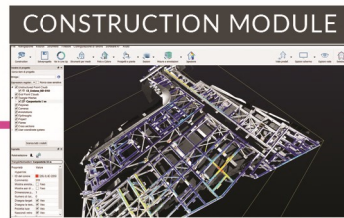
Complete and clear workflows will guide you during the processing and the expandable modules are able to meet different needs, covering many fields, such as: surveying, mining, construction, architecture, cultural heritage, BIM, galleries etc.

MODULES

MAIN FEATURES



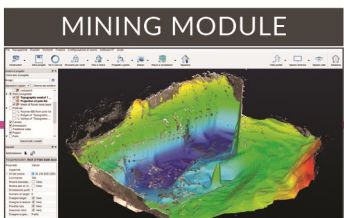
SURVEY MODULE
All the Cloud management tools in one application.



CONSTRUCTION MODULE
Advanced features for BIM, Architecture and Construction.



COLOR & MAPPING MODULE
Use your own high resolution camera to color the scans.



MINING MODULE
All you need for quarries, cut&fill volumes, excavations, DTM.

- POINT CLOUD ALIGNMENT
- FILTERING
- MESH AND DTM
- COLOR MANAGEMENT
- COMPARISON OF 3D MODELS
- PLANARITY / VERTICALITY
- ORTHOPHOTO
- SECTIONS, CONTOURS AND PROFILES
- AREA AND VOLUME
- MEASUREMENT
- CAD EXPORT
- UAV INTEGRATION

X300^{New} TECHNICAL FEATURES

PERFORMANCE

Range	1.6 - 300 m, 100% reflectivity (on white)	
Field of view	Horizontal	360° (full panoramic)
	Vertical	90° (-25° to +65°)
Scan rate	Up to 60.000 points/s	
Laser beam divergence	0.076° x 0.029°	
Grid spacing	39 mm x 39 mm @ 100 m	
Angular resolution	1.35' (O) x 1.35' (V) (at max resolution)	
Range accuracy	< 5 mm @ 50 m - (1 sigma)	

SYSTEM

Scanning optics	Vertical: rotating mirror Horizontal: rotating base	
Laser class	Class 1M (IEC 60825-1)	
Laser wavelength	905 nm (invisible)	
Dual-axis compensator	Accuracy 0.08°, Range +/- 20°	
Integrated camera	High quality, no distortion	
Resolution	192 Mpixel over 360°	
Data storage	32Gb integrated memory	
Data transfer	Wi-Fi, USB, Ethernet	
Scanner control	Dedicated Wi-Fi web interface for smartphone/tablet (Android, iOS e Windows Mobile)	

PHYSICAL SPECIFICATION

Scanner	Size (D x W x H)	215 mm x 170 mm x 430 mm
	Weight	6.15 kg (without battery)
Battery	Size (D x W x H)	42 mm x 165 mm x 120 mm
	Weight	0,85 Kg
AC Power Supply	Size (D x W x H)	147 mm x 63 mm x 38 mm
	Weight	200 g

ELECTRICAL SPECIFICATION

Power supply	12 V (battery or external power)
Power consumption	40 W (average consumption)
Battery type	Li-ion (2 batteries supplied)
Working time	> 3 hours each

PHYSICAL SPECIFICATION

Operating temperature	-10°C to +50°C / 14°F to 122°F
Storage temperature	-25°C to +80°C / -13°F to 176°F
Humidity	Non-condensing
Waterproof/Dustproof	IP65

ACCESSORIES

MONITORING KIT 4.0

External Power Supply with Ethernet cable control to operate remotely the scanner in monitoring projects.



GPS KIT

Kit designed to connect the GNSS receiver to the X300 Laser Scanner. The easiest way to georeference your 3D data.



X300 FRAMEWORK

Expand the field of view and scan ceilings and tunnels.



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

STONEX AUTHORIZED DEALER

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