STONEX

AFRICATEC
www.africatec-nzomez.com
Instruments for topography
and engineering

X300 Laser Scanner

3D Laser Scanning
that works, anywhere

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info@africatec-nzomez.com

STONEX
3D RECONSTRUCTOR

X300 Simple, tough, accurate

The right tool for your daily work

STONEX X300 is a 3D Scanner designed to deliver effective results every day, on any project.

It's ease of use, reliability, flexibility and reasonable price make it your perfect work companion.

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RUGGED DESIGN
IP65
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.

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

EXPANDABLE
A complete set of accessories provide flexibility in any environment.

MADE IN ITALY
A clean effective design for your daily work.

STONEX

LASER SCANNING SOLUTIONS

STONEX RECONSTRUCTOR

Powerful and usable 3D Software

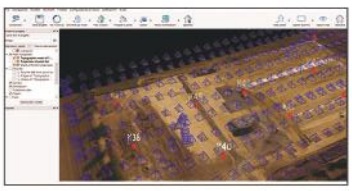
STONEX RECONSTRUCTOR SOFTWARE will guide you trough a complete and clear workflow with expandable modules suited to your needs.

MAIN FEATURES

LINE UP
CLOUD TOOLS
MESH & SHAPES
INSPECTION TOOL
PLANARITY/VERTICALITY
COLOR TOOL
ORTHOPHOTO
CAD OUTPUT
MEASUREMENT

INTEGRATIONS WITH OTHER SOFTWARE

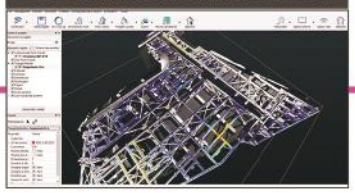
3DF ZEPHYR



Complete solution for 3D photogrammetry reconstruction data.

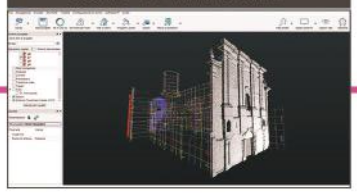
MODULES

CONSTRUCTION MODULE



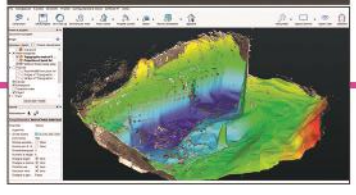
Advanced features for BIM, Architecture and Construction.

SURVEY MODULE



All the Cloud management tools in one application.

MINING MODULE



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

COLOR & MAPPING MODULE

Use your own high resolution camera to color the scans.

Open File Manager

If you are using CAD, crime scene, car crush analysis or other 3rd party software, you can now load the point cloud data collected with X300 directly into your workflow.

X300 TECHNICAL FEATURES

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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 40000 points/sec
Laser Beam Divergence	0.37 mrad
Grid spacing	39 mm x 39 mm @ 100 m
Angular resolution	1.35' (H) x 1.35' (V) (at max resolution)
Range accuracy	< 6 mm @ 50 m – (1 sigma) < 40 mm @ 300 m

SYSTEM	
Scanning optics	Vertically rotating mirror, horizontally rotating base
Laser Class	Class 1M (IEC 60825-1)
Laser wavelenght	905 nm (invisible)
Dual-axis compensator	Accuracy 0.08°, Range +/- 20°
Integrated cameras	5 + 5 megapixels
Resolution	120MB over 360°
Data storage	Integrated 32Gb memory
Data transfer	Wi-Fi, USB device, Ethernet
Scanner control	Dedicated Wi-Fi web interface for smartphone/tablet (Android, iOS and Windows Mobile)

Scanner	
Size (D x W x H)	215 mm x 170 mm x 430 mm
Weight	6.15 kg/12.35 lbs (without battery)
Battery	
Size (D x W x H)	42 mm x 165 mm x 120 mm 0.85 kg /
Weight	1.76 lbs
AC Power Supply	
Size (D x W x H)	147 mm x 63 mm x 38 mm
Weight	200 g / 0.441 lbs

ELECTRICAL	
Power supply	12 V (battery or external power unit)
Power consumption	40 W (on average)
Battery type	Li-ion
Operation	> 3 h

ENVIRONMENTAL	
Operating temp.	-10°C to +50°C / 14°F to 122°F
Storage temp.	-25°C to +80°C / -13°F to 176°F
Humidity	Non-condensing
Protection class	IP65

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

ACCESSORIES

MONITORING KIT

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.

CAMERA KIT

Install a DSLR camera to apply high resolution images to your scans

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STONEX AUTHORIZED DEALER

STONEX®
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