X300 Laser Scanner

3D Laser Scanning that works, anywhere

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.

RUGGED DESIGN
The fully sealed case protects your inversion 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 INVERSION
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 RECONSTRUCTOR
Powerful and usable 3D Software

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

**LINE UP PRO MODULE**
Powerful Cloud Registration Tool, known for its efficient algorithm that makes alignment easier.

**SURVEY MODULE**
All the Cloud management tools in one application.

**CONSTRUCTION MODULE**
Advanced features for BIM, Architecture and Construction.

**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.

**PIXR3 AIR MODULE**
Process data collected with UAV and integrate them with X300

**Open File Manager**
If you are using CAD, crime scene, car crash analysis or other 3rd party software, you can now load the point cloud data collected with X300 directly into your workflow.
**TECHNICAL FEATURES**

**PERFORMANCE**

<table>
<thead>
<tr>
<th>Parameter</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Range</td>
<td>1.6 – 300 m, 100% reflectivity (on white)</td>
</tr>
<tr>
<td>Field of view</td>
<td>90° (+25° to +65°)</td>
</tr>
<tr>
<td>Vertical</td>
<td>360° (full panoramic)</td>
</tr>
<tr>
<td>Angular resolution</td>
<td>1.35° (H) x 1.35° (V)</td>
</tr>
<tr>
<td>Laser Beam Divergence</td>
<td>0.37 mrad</td>
</tr>
<tr>
<td>Grid spacing</td>
<td>39 mm x 39 mm @ 100 m</td>
</tr>
<tr>
<td>Range accuracy</td>
<td>&lt; 6 mm @ 50 m – (1 sigma)</td>
</tr>
<tr>
<td></td>
<td>&lt; 40 mm @ 300 m</td>
</tr>
</tbody>
</table>

**SYSTEM**

<table>
<thead>
<tr>
<th>Component</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td>Scanning optics</td>
<td>Vertically rotating mirror, horizontally rotating base</td>
</tr>
<tr>
<td>Laser Class</td>
<td>Class 1M (IEC 60825-1)</td>
</tr>
<tr>
<td>Laser Wavelength</td>
<td>905 nm (invisible)</td>
</tr>
<tr>
<td>Dual-axis compensator</td>
<td>Accuracy ±0.5°, Range +/− 20°</td>
</tr>
<tr>
<td>Integrated cameras</td>
<td>5 + 5 megapixels</td>
</tr>
<tr>
<td>Resolution</td>
<td>120MB over 360°</td>
</tr>
<tr>
<td>Data storage</td>
<td>Integrated 32GB memory</td>
</tr>
<tr>
<td>Data transfer</td>
<td>Wi-Fi, USB device, Ethernet</td>
</tr>
<tr>
<td>Scanner control</td>
<td>Dedicated Wi-Fi web interface for smartphone/tablet (Android, iOS and Windows Mobile)</td>
</tr>
</tbody>
</table>

**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
- Weight 0.85 kg / 1.86 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.

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**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®**

Part of UniStrong

Via Cimabue 39 - 20851 Lissone (MB) Italy
Phone +39 039 2783008 | Fax +39 039 2789576
www.stonex.it | info@stonexpositioning.com