



X150

Laser Scanner

Tough, Fast, Light

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Part of **UniStrong**

X150 – Overview

- Range 20 cm - 150 m
- Full dome – 280°
- 320.000 points/sec
- Accuracy 3cm
- Full 360° in 45 sec at low resolution, less than 4 min. at max resolution
- Panoramic Camera

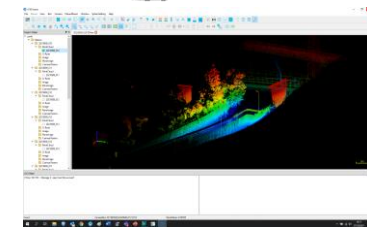


X150 – Bundle

- X150 laser scanner
- Panoramic camera
- Camera remote controller
- Data cable – Battery cable
- 2x Battery
- Battery Charger
- Flight Case Trolley
- Tripod with Battery Holder
- Android App (Real time preview)
- X150 Scene sw (cloud coloring- export)



X150 App



X150 Scene software



X150 – Technical Specifications



PERFORMANCE	
Min Range	0.2 m
Max Range	150 m
Ranging Accuracy	3 cm
Scanning Point Frequency	320.000 pts/s
Field Of View	Horizontal 360° Vertical 280°
Scanning Speed	Less than 4 minutes for a 360° scan at max resolution – 45 s fast scan
Panoramic Resolution	18 Megapixels external camera
Dual Axis Tilt Compensation	±5°
CAMERA	
Photo	360° HDR
Resolution	18 Megapixels
Management	By remote controller / Android device

Remote controller range	10 m
Storage & connectivity	Wi-Fi / Bluetooth / MicroSD card / Micro USB
SYSTEM	
Data Storage	250GB (mSATA Hard disk) + 128GB (TF Card)
Data Transmission	GigE/TF Card
Operation Mode	Remote control by Android device
PHYSICAL SPECIFICATION	
Dimension	364mm x 139.5mm x 122mm
Net Weight	Approx 4kg
Waterproof/Dustproof	IP54
ELECTRICAL SPECIFICATION	
Battery Life	2 batteries, 4h each
Battery Type	LiPo 6S
Power Supply	22.8 V

Project Widget

- palazzina
 - Station
 - 20210902_001
 - PointCloud
 - 20210902_001
 - O-Point
 - Image
 - PanorImage
 - Camrea Params
 - 20210902_002
 - PointCloud
 - 20210902_002
 - O-Point
 - Image
 - PanorImage
 - Camrea Params
 - 20210902_003
 - PointCloud
 - 20210902_003
 - O-Point
 - Image
 - PanorImage
 - Camrea Params
 - 20210902_004
 - PointCloud
 - 20210902_004
 - O-Point
 - Image
 - PanorImage
 - Camrea Params
 - 20210902_005
 - PointCloud
 - 20210902_005
 - O-Point
 - Image
 - PanorImage
 - Camrea Params
 - Scans
 - PointCloud
 - O-Point
 - Image
 - PanorImage
 - Camrea Params
 - GlobalControlPoint



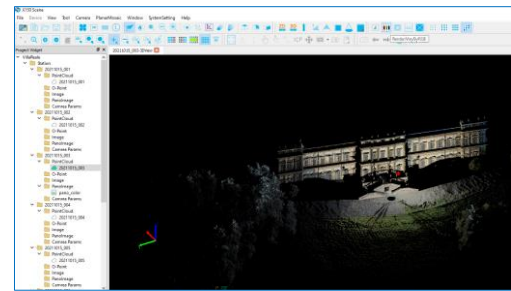
X150 Scene

Point Cloud Editing and Coloring
Point Clouds registration
Export Data

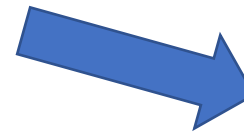


ACCESSORIES

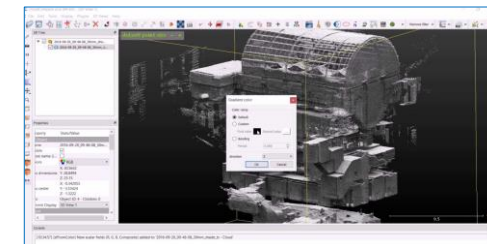
X150 – Workflow



X150 Scene



STONEX
3D RECONSTRUCTOR



3rd party Point cloud software



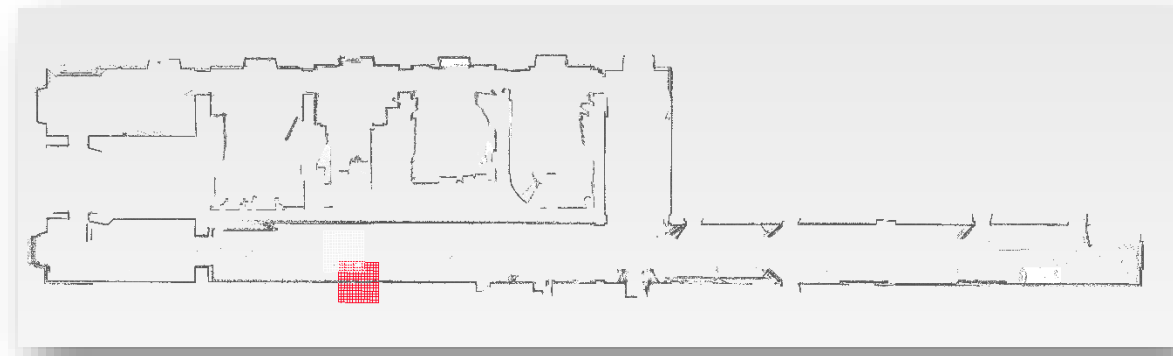
CAD software

X150 – Applications



Architecture & Real Estate

- Easily obtain Layouts and Floorplans
- Scan the Building façade
- Flexible workflows allow to export the collected model into your favourite CAD software



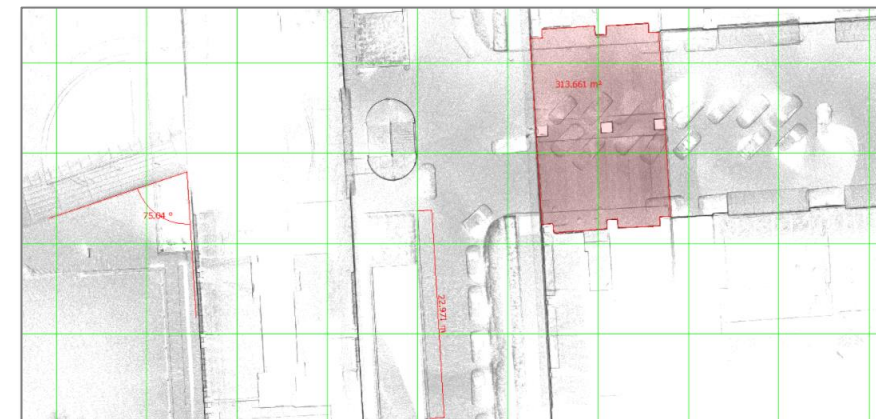
X150 – Applications



Engineering & Construction



- Construction Site survey
- BIM progress-As Built
- Road Mapping

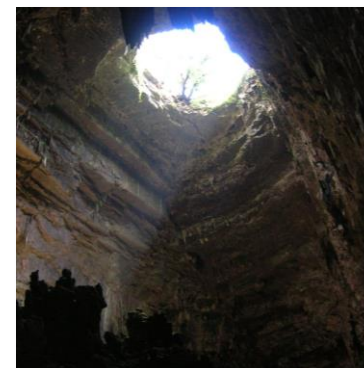


X150 – Applications



Land Survey / Mining / Underground

- Digital Elevation Models
- Volume calculation / stockpiles
- Underground mapping (archaeology, caves)
- Tunneling (progress mapping, convergence detection..)



X150 – Applications



Law Enforcement

- Freeze in a matter of minutes the scene of an accident or of a crime, record the position of each detail in a measurable 3D model
- Easily operated in any environment, Indoor and outdoor, no need of surveying expertise
- Collect 3D scenes for Emergency Management, Operation Planning, rapid assessment and decision making



X150 – Applications



Educational-Training



- Easy to operate and robust, the perfect tool for a first step into 3D data capturing and modelling.
- Simple workflow, no need for advanced surveying expertise
- Affordable and flexible





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