

FEATURES OF STONEX RECONSTRUCTOR LICENSE MODULES

	Stonex Rec SURVEY L	Stonex Rec SURVEY	Stonex Rec CONSTRUCTION	Stonex Rec MINING
LiDAR data importing	STONEX	STONEX	STONEX	STONEX
Automatic process to color point clouds: colored point cloud and importation of high resolution cameras	Only colored point cloud available	•	•	•
Extraction of high resolution images from internal camera		•	•	•
Total Station and GPS data import	•	•	•	•
Txt importing		•	•	•
Polyline/trajectory/ 3D Mesh importing		•	•	•
Point cloud filtering and editing	•	•	•	•
Cloud to cloud best fitting alignment and geo-referencing	•	•	•	•
Bundle adjustment		•	•	•
3D Point sample in point clouds overlap		•	•	•
Meshing type 1: Uniform and multi-resolution mesh	Only multi-resolution available	•	•	•
Meshing type 2: Delaunay mesh for building façade			•	•
Meshing type 3: Topographic mesh - DTM creation				•
Mesh editing and simplification	•	•	•	•
Crest & Toe for Mining				•
Cross sections	•	•	•	•
Tunnelling tools (cross section)				•
Inspection (point surfaces comparison)			•	
Point cloud color editing			•	
Orthophoto, Cylindrical and Spherical image extraction	Only plane image extraction available	•	•	•
Virtual Scan and points clustering tools		•	•	•
Area Calculation	•	•	•	•
Volumes Calculation			•	•
Cut and fill volumes				•
Verification tool for planarity and changes detection maps			•	•
Mesh border edge detection			•	•
Distances and annotations	•	•	•	•
Hyperlink to external file		•	•	•
Export to CAD	•	•	•	•
3D Model Fly-through video	•	•	•	•
STONEX Reconstructor projects creation	•	•	•	•