

Main Window Commands

File	Full	Lite	UAV
Open block	x	x	
Open inside fence	x	x	
Read points	x	x	x
Read directory	x	x	x
Read reference points	x	x	x
Save points	x	x	x
Save points As	x	x	x
Close points	x	x	x

Output	Full	Lite	UAV
Output alignment report	x	x	x
Create surface model	x	x	x
Export lattice model	x	x	x
Export raster image	x	x	x
Write to design file	x	x	x
Write as line strings	x	x	x

View	Full	Lite	UAV
Small dialog	x	x	x
Medium dialog	x	x	x
Large dialog	x	x	x
Wide dialog	x	x	x
Fields	x	x	x
Header records	x	x	x
Fit view	x	x	x
Display mode	x	x	x

Line ¹	Full	Lite	UAV
Deduce using time	x	x	x
Deduce from order	x	x	x
Start at new selection	x	x	x
Modify numbering	x	x	x
Draw from points	x	x	x
Adjust laser angles	x	x	x
Cut long range	x		x
Cut overlap	x		x
Fit using targets	x	x	x
Translate	x	x	x
Rotate	x	x	x

¹ for airborne/mobile points only

Measurement ²	Full	Lite	UAV
Translate	x	x	x
Rotate	x	x	x
Place target object	x	x	x
Transform	x	x	x
Fit point clouds	x	x	x
Modify numbering	x	x	x

² for static terrestrial points only

Point	Full	Lite	UAV
Undo classification	x	x	x
From list	x	x	x
Edit selected	x	x	x
Select by class	x	x	x
Find	x	x	x
Delete			
Selected points	x	x	x
By point class	x	x	x
By line	x	x	x
Inside fence	x	x	x
Outside fence	x	x	x
Using centerline	x	x	x

Group	Full	Lite	UAV
Assign groups	x	x	x
Test parameters	x	x	x
Classify			
By best match	x		x
By class	x	x	x
By centerline	x	x	x
By distance	x		x
By parameters	x		x
By vegetation index	x		x
One point per group	x		x
Moving objects	x		x
Trees	x		x
Non-grouped points	x		x
Clear by class	x	x	x
Copy from closest	x	x	x
Split by class	x	x	x
Inspect groups	x	x	x

Classify	Full	Lite	UAV
Routine			
By class	x	x	x
Air points	x		x
Closeby points	x		x
Isolated points	x		x
Low points	x		x
Ground	x		x
Hard surface	x		x
Surface points	x		x
Below surface	x		x
By height from ground	x		x
By absolute elevation	x		x
By distance	x		x
By echo	x		x
By echo difference	x		x
By echo length	x		x
By intensity	x		x
By color	x		x
By centerline	x		x
By section template	x		x
By time stamp	x		x
By angle	x		x
By scan direction	x		x
By normal vector	x		x
By range	x		x
By scanner	x		x
By vegetation index	x		x
Railroad	x		x
Buildings	x		x
Walls	x		x
Model keypoints	x	x	x
Contour keypoints	x	x	x
Tunnel surfaces	x		x
Inside fence	x	x	x
3D Fence	x	x	x
Trajectory interval	x		x
Detect plane	x		x
Detect trees	x		x
Add point to ground	x		x

Macro window	Full	Lite	UAV
File			
New	x		x
Open	x		x
Save	x		x
Save as	x		x
Run			
On loaded points	x		x
On selected files	x		

Tools	Full	Lite	UAV
Toolboxes			
Main tool box	x	x	x
General	x	x	x
View laser	x	x	x
Draw	x	x	x
Model	x	x	x
Groups	x	x	x
Vectorize wires	x		x
Vectorize towers	x		x
View powerline	x	x	x
Waveform	x		
Road	x		x
Railroad	x	x	x
Buildings	x	x	x
Building patches	x	x	x
Building edges	x	x	x
Trees	x	x	x
Show statistics	x	x	x
Macro*	x		x
Addon			
View histogram	x	x	x
Draw bounding box	x	x	x
Draw into profile	x	x	x
Draw into sections	x	x	x
Draw polygons	x	x	x
Smoothen points	x	x	x
Thin points	x	x	x
Adjust to geoid	x	x	x
Convert geoid model	x	x	x
Transform loaded points	x	x	x
Transform known points	x	x	x
Output control report	x	x	x
Assign color to points	x	x	x
Compute distance	x	x	x
Compute normal vectors	x	x	x
Extract color from images	x	x	x
Extract echo properties	x	x	x
Fit to reference	x	x	x
Compare with reference	x	x	x
Sort			
By time stamp	x	x	x
By line and time	x	x	x
By line, scanner and time	x	x	x
By xy location	x	x	x
By increasing X	x	x	x
By decreasing X	x	x	x
By increasing Y	x	x	x
By decreasing Y	x	x	x
By increasing Z	x	x	x
By decreasing Z	x	x	x
Read			
Building models	x	x	x
Paint lines	x	x	x
Poles	x	x	x
Polygons	x	x	x
Section parameters	x	x	x
Slope arrows	x	x	x
Tree cells	x	x	x
Wires	x	x	x

* details in separate table

Main Tool Box

General	Full	Lite	UAV
Scan settings	x	x	x
Scan define coordinate setup	x	x	x
Define classes	x	x	x
Design block boundaries	x	x	
Define project*	x	x	
Manage trajectories*	x	x	x
Load airborne points	x	x	x
Load ground points	x	x	x
About TerraScan	x	x	x
Help on TerraScan	x	x	x

* details in separate table

View Laser	Full	Lite	UAV
Draw vertical section	x	x	x
Draw horizontal section	x	x	x
Draw plane section	x	x	x
Move section	x	x	x
Rotate section	x	x	x
Cut section	x	x	x
Travel path	x	x	x
Travel view	x	x	x
Synchronize views	x	x	x
Show street view	x	x	x
Measure point density	x	x	x ⁵
Update distance coloring	x	x	x

⁵ no project capability

Draw	Full	Lite	UAV
Mouse point adjustment	x	x	x
Fit linear element	x	x	x
Drape linear element	x	x	x
Find breakline along element	x	x	x
Find curb along element	x	x	x
Cut linear element	x	x	x
Check footprint polygons	x	x	x
Set polygon elevation	x	x	x
Mark polygons by centroid	x	x	x
Place collection shape	x	x	x
Find pipes	x	x	x
Vetorize tunnel sections	x	x	x
Check tunnel sections	x	x	x
Inspect elements	x	x	x

Groups	Full	Lite	UAV
Create point group	x	x	x
Merge point groups	x	x	x
Add points to group	x	x	x
Clear group fence	x	x	x

Define Project	Full	Lite	UAV
File			
New project	x	x	
Open project	x	x	
Save project	x	x	
Save project as	x	x	
Edit project information	x	x	
Import points into project	x	x	
Import directory	x	x	
Block			
Add by boundaries	x	x	
Add using files	x	x	
Edit definition	x	x	
Delete definition	x	x	
Merge blocks	x	x	
Lock selected	x	x	
Release lock	x	x	
Draw boundaries	x	x	
Create along centerline	x	x	
Create along tower string	x	x	
Create along trajectories	x	x	
Transform boundaries	x	x	
Sort			
By name	x	x	
By number	x	x	
By point count	x	x	
North to south	x	x	
South to north	x	x	
West to east	x	x	
East to west	x	x	
Tools			
Run macro	x		
Adjust to geoid	x	x	
Adjust xyz	x	x	
Convert storage format	x	x	
Output control report	x	x	
Show statistics	x	x	
Check coverage	x	x	
Validate blocks	x	x	
Merge small blocks	x	x	
Copy from reference	x	x	
Extract color from images	x	x	
Extract echo properties	x	x	
Export to Google Maps	x	x	
Export lattice models	x	x	
Export raster images	x	x	
Export 3D ortho	x	x	
Write by line	x	x	
Output collections	x	x	
Draw line boundaries	x	x	

Displayset	Full	Lite	UAV
Add points to displayset	x	x	x
Remove points from displayset	x	x	x
Clear displayset	x	x	x

Manage Trajectories	Full	Lite	UAV
File			
Set directory	x	x	x
Import files	x	x	x
Import directory	x	x	x
Import scanner positions	x	x	x
Deduce scanner positions	x	x	x
Merge from GPS and INS	x	x	x
Import accuracy files	x	x	x
Output positions	x	x	x
Trajectory			
Edit information	x	x	x
Assign number	x	x	x
Set accuracy	x	x	x
Delete	x	x	x
View positions	x	x	x
View			
Sort	x	x	x
Fields	x	x	x
Tools			
Split	x	x	x
Cut turnarounds	x	x	x
Delete by polygons	x	x	x
Split at laser gaps	x	x	x ⁵
Link to waveform files	x	x	x
Renumber trajectories	x	x	x
Thin positions	x	x	x
Transform	x	x	x
Add lever arm	x	x	x
Adjust to geoid	x	x	x
Convert angles	x	x	x
Convert time stamps	x	x	x
Create macro	x	x	x
Smoothen stops	x	x	x
Draw into design	x	x	x

⁵ no project capability

Model	Full	Lite	UAV
Create editable model	x	x	x
Assign point class	x	x	x
Classify using brush	x	x	x
Classify fence	x	x	x
Classify above line	x	x	x
Classify below line	x	x	x
Classify close to line	x	x	x
Add synthetic point	x	x	x
Remove vegetation	x	x	x
Fix elevation	x	x	x
Rebuild editable model	x	x	x

Waveform	Full	Lite	UAV
View waveform	x		
Extract echoes	x		

Vectorize Wires	Full	Lite	UAV
Place tower string	x		x
Activate power line	x	x ³	x
Detect wires	x		x
Place catenary string	x		x
Check catenary attachments	x		x
Assign wire attributes	x		x

³ in View Powerline tool bar

Vectorize Towers	Full	Lite	UAV
Place tower	x		x
Edit tower information	x		x
Move tower	x		x
Rotate tower	x		x
Add cross arm	x		x
Set cross arm elevation	x		x
Extend cross arm	x		x
Rotate cross arm	x		x
Modify cross arm	x		x
Delete cross arm	x		x
Create attachments	x		x
Add attachment	x		x
Move attachment	x		x
Delete attachment	x		x

View Powerline	Full	Lite	UAV
View tower spans	x	x	x
Label towers	x	x	x
Label catenary height	x	x	x
Find danger objects	x	x	x
Create span tiles	x	x	x
Output catenary	x	x	x
Export powerline	x	x	x

Railroad	Full	Lite	UAV
Place railroad string	x	x	x
Fit railroad string	x	x	x
Find rails	x	x	x
Find wires	x	x	x
Check wire ends	x	x	x
Find poles	x	x	x
Output poles	x	x	x

Trees	Full	Lite	UAV
Create tree cells	x	x	x
Place tree cells	x	x	x
Modify tree cells	x	x	x
Output tree cells	x	x	x

Road	Full	Lite	UAV
Find automatic breaklines	x		x
Find road breaklines	x		x
Import road breaklines	x		x
Draw slope arrows	x		x
Draw sight distances	x		x ⁵
Draw sign visibility	x		x ⁵
Label clearance	x		x
Label alignment curvature	x		x
Write alignment elevations	x		x
Fit geometry components	x		

⁵ no project capability

Buildings	Full	Lite	UAV
Vectorize buildings	x		x
Construct roof polygons	x		x
Create buildings from polygons	x	x	x
Merge footprint polygons	x	x	x
Draw roof lines	x	x	x
Check building models	x	x	x
Write buildings to database	x		
Read buildings from database	x		
Delete database buildings	x		

Building Patches	Full	Lite	UAV
Split building	x	x	x
Split patch	x	x	x
Merge patches	x	x	x
Apply plane symmetry	x	x	x
Match roof elevation	x	x	x
Remove patch	x	x	x
Remove details	x	x	x
Draw building section	x	x	x
Extrude building	x	x	x

Building Edges	Full	Lite	UAV
Set all edges	x	x	x
Apply straight line	x	x	x
Apply intersection line	x	x	x
Modify edge	x	x	x
Move edge vertex	x	x	x
Align edge segment	x	x	x
Build step corner	x	x	x
Cut edge corner	x	x	x
Cut edge segment	x	x	x
Delete edge vertex	x	x	x
Insert edge vertex	x	x	x