

New Features of TerraScan in Version 010

Date	Version	Description of the new feature
2011-02-22	11.001	<ul style="list-style-type: none">• Support for Fast binary file format.• Tools for using waveform information.• Classification by echo length.
2011-01-19	10.021	<ul style="list-style-type: none">• Ability to run on PowerCivil V8i or PowerMap V8i.
2010-12-28	10.020	<ul style="list-style-type: none">• Ability to assign flightline and scanner numbering when importing from TerraScan binary files into a project.• Improvement in building classification. Less likely to classifying tree hits as building.• Bug fix in vectorizing building. Bug caused inner yards always to be covered by building roof surface in the vector model.• Apply correction action in macros for applying a TerraMatch solution.• Compatibility with PowerMap V8i and PowerCivil V8i.
2010-10-18	10.018	<ul style="list-style-type: none">• Insert button in macro editing for inserting a new row before the selected row.• Support for comment rows in macros.• Modification to how software chooses initial points in model keypoint classification. The new version will produce fewer keypoints in places where there is relatively flat terrain.• Fit automatically setting in Settings tool's Point display category. If on, this will fit elevation and intensity coloring schemes automatically whenever software loads new points.• Keyin parameters for Classify Close To Line. Example uses:<ul style="list-style-type: none">• classify close to line abovefrom=2/aboveto=3/abovetol=0.2• classify close to line closefrom=any/closeto=2/abovetol=0.1/belowtol=0.1• classify close to line belowfrom=2/belowto=6/abovetol=0.15
2010-10-05	10.017	<ul style="list-style-type: none">• Import directory menu command for importing files in a folder and all its sub folders into a project.• Design Block Boundaries tool helps in laying out good project block boundaries. Tool can build shapes from a individual bounding linear elements. Tool can label resulting point count inside each block.
2010-09-19	10.016	<ul style="list-style-type: none">• Tools / Create macro / For repeated passes menu command in Manage Trajectories for classifying points coming from repeated flightlines or drive passes.

- Reports average magnitude and RMS of residuals when deriving a coordinate transformation using two point text files.
 - From folder name option in for assigning scanner numbers during import. This gets the first number from the folder name.
- 2010-08-29 10.015
- Updated tscanadd.dll and addon sources. View histogram can now display intensity histogram for selected scanner and will show average and median intensity.
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- 2010-08-23 10.014
- Lever arm values in scanner system definition are now always treated as meters regardless of active design file unit.
 - Scale intensity action in macros for scaling intensity values of laser points.
- 2010-06-07 10.013
- Support for South African geoid model 2010 in Convert geoid model menu command.
 - Write section points macro action for writing out points with x=station, y=offset coordinate system along a road.
- 2010-05-24 10.012
- Inside fence only option in importing points into a project.
 - Block naming formulas in Settings and project definition for specifying how to construct the file name of a project block.
- 2010-05-16 10.011
- Improvement in Smoothen points. New logic is better at keeping relevant terrain changes while smoothing areas which really should be smooth.
 - Output control report supports multiple classes as ground.
 - By height from ground classification supports multiple classes as ground.
 - Assign groups menu command for assigning group numbers to points.
 - Assign Point Class tool can classify all points belonging to same group.
 - Tools for converting time stamps between GPS seconds-of-week and GPS standard time.
- 2010-04-15 10.010
- Support for Netherlands RD/NAP 2008 projection system. This requires x2c.grd, y2c.grd and nlgeo04.grd in \terra\coordsys.
 - Set All Edges tool can now set all edges to be rectangular.
- 2010-03-12 10.009
- Draw Building Section tool for drawing a cross section of a building. Created cross section view is suitable for Extrude Building tool.
 - Bug fix in checking validity of temporary licenses. Bug could occur when two application instances on the same computer checked the license at the same time.
- 2010-03-08 10.008
- Better image selection for detail camera view in editing building vector models.

- 2010-03-02 10.007
- Follow 3D alignment setting in Travel Path.
 - Camera view option in Travel Path for displaying a perspective view looking at cross section location.
- 2010-02-018 10.006
- Improvements in manual editing of automatic building vector models.
 - Improved V8i compatibility.
- 2010-02-08 10.003
- Ability to save flightline coloring to a file and open later. You can also specify a flightline coloring file to be opened automatically together with a project.
 - Assign color can assign colors based on intensity of laser points.
 - Can use depth maps when extracting color for mobile.
 - Test version for V8i available.