



## Licensed Features

The following table shows the features available in **Spectra Precision Survey Office** based on the installed licence. Contact D W Technologies Ltd. for more details

**D W Technologies Ltd.**  
#103 – 2323 Boundary Road,  
Vancouver, BC, Canada,  
V5M 4V8  
**(604) 205 6928**  
**info@dwtech.ca**  
www.dwtech.ca

| Feature                                                                                                                                                                                                                                                                         | No licence | Basic licence | Complete licence |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------------|------------------|
| <b>Managing project files</b>                                                                                                                                                                                                                                                   |            |               |                  |
| Create, save, open, and archive Spectra Precision Survey Office (.VCE) projects.                                                                                                                                                                                                | X          | X             | X                |
| <b>Configuring projects</b>                                                                                                                                                                                                                                                     |            |               |                  |
| Configure a project by specifying the following:<br>- Coordinate system<br>- Units of measurement<br>- Viewing properties<br>- Computations<br>- Baseline processing parameters<br>- Network adjustment parameters<br>- Default standard errors<br>- Feature definition library | X          | X             | X                |
| Customize the look and feel of the user interface, and specify configuration options.                                                                                                                                                                                           | X          | X             | X                |
| Upload a datum grid file or geoid file.                                                                                                                                                                                                                                         | X          | X             | X                |
| View a list of files related to the project.                                                                                                                                                                                                                                    | X          | X             | X                |
| Preconfigure the snap mode options used most often.                                                                                                                                                                                                                             | X          | X             | X                |
| Create or import layers to keep data                                                                                                                                                                                                                                            | X          | X             | X                |



|                                                                                                                                                           |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|
| in the project organized by type.                                                                                                                         |   |   |   |
| <b>Importing and exporting data</b>                                                                                                                       |   |   |   |
| Import and export raw GNSS data.                                                                                                                          | X | X | X |
| Import and export raw RTK data.                                                                                                                           | X | X | X |
| Import and export digital level data.                                                                                                                     | X | X | X |
| Import and export total station data.                                                                                                                     | X | X | X |
| Import "as-set out" points to view delta data and identify points that are out of tolerance. (To generate an as-set out report, you must have a licence.) | X | X | X |
| Create custom importers and exporters to specify data based on specific needs.                                                                            | X | X | X |
| Import and export event data.                                                                                                                             |   |   | X |
| <b>Processing data</b>                                                                                                                                    |   |   |   |
| Compute a project to determine coordinates for points.                                                                                                    | X | X | X |
| Perform a site calibration.                                                                                                                               | X | X | X |
| Calculate and report inverse values between any two points in your project.                                                                               | X | X | X |
| Process baselines for L1 data.                                                                                                                            |   | X | X |
| Perform loop closure on L1 data.                                                                                                                          |   | X | X |
| Adjust a network for L1 data.                                                                                                                             |   | X | X |
| Adjust a network for total station data.                                                                                                                  |   | X | X |
| Adjust a network for L1 data.                                                                                                                             |   | X | X |
| Process baselines for multiple-frequency GPS and GLONASS data.                                                                                            |   |   | X |
| Perform loop closure on multiple-frequency GPS and GLONASS data.                                                                                          |   |   | X |
| Adjust a network for multiple-frequency GPS and GLONASS data.                                                                                             |   |   | X |
| Process event data.                                                                                                                                       |   |   | X |
| <b>Viewing data</b>                                                                                                                                       |   |   |   |
| Filter and view project data in various graphic views, including a plan view, 3D view, photo image view, and Google Earth view.                           | X | X | X |
| View point data in spreadsheets that                                                                                                                      | X | X | X |



|                                                                                                                                                            |   |   |   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|---|---|---|
| can be easily reorganized and copied into other applications                                                                                               |   |   |   |
| View and navigate objects in a project using a familiar explorer window.                                                                                   | X | X | X |
| Directly access Microsoft® Windows® CE-based field devices or files maintained by Office Synchronizer.                                                     | X | X | X |
| Add and edit textual annotations and labels for graphic views.                                                                                             | X | X | X |
| Specify an area in the Plan View to print or plot using a "plot box."                                                                                      | X | X | X |
| View as-set out point data                                                                                                                                 | X | X | X |
| View alignments in profile.                                                                                                                                | X | X | X |
| Generate numerous, customizable reports, including reports on imported data, baseline processing, point derivations, mean angles, and network adjustments. |   | X | X |
| View vector, optical, and occupation data in spreadsheets that can be easily reorganized and copied into other applications.                               |   | X | X |
| Display GNSS session data in a chronological format to check for valid sessions.                                                                           |   | X | X |
| Add a colour key to any surface or map.                                                                                                                    |   |   | X |
| <b>Selecting data</b>                                                                                                                                      |   |   |   |
| Choose from numerous selection options to easily and precisely select data in your project. Or, create customized selection sets in advance.               | X | X | X |
| <b>Editing data</b>                                                                                                                                        |   |   |   |
| Copy, move, scale, rotate, and change elevation for processed objects, including points, observations, coordinates, and baselines.                         | X | X | X |
| Explode CAD blocks that contain objects you want to move, modify, or delete individually.                                                                  | X | X | X |



|                                                                            |   |   |   |
|----------------------------------------------------------------------------|---|---|---|
| Create, rename, merge, and delete points in your project.                  | X | X | X |
| Convert as-set out points to normal survey points.                         | X | X | X |
| Edit session data.                                                         |   | X | X |
| Edit baselines.                                                            |   | X | X |
| Edit PP vectors.                                                           |   | X | X |
| Edit RTK data.                                                             |   | X | X |
| Edit imported data.                                                        |   | X | X |
| Edit total station data.                                                   |   | X | X |
| Edit digital level data.                                                   |   | X | X |
| Edit mean angle residuals.                                                 |   | X | X |
| <b>Working with features</b>                                               |   |   |   |
| Import and export feature data.                                            | X | X | X |
| View and edit features.                                                    |   | X | X |
| Process feature codes to display feature symbols and lines in the project. |   | X | X |
| <b>Working with Lines</b>                                                  |   |   |   |
| Create and edit polylines, boundaries, break lines, and line strings.      | X | X | X |
| Specify the elevation for a line.                                          | X | X | X |
| Apply a horizontal and/or vertical offset to a line.                       |   | X | X |
| Apply a horizontal and/or vertical offset to a line.                       |   | X | X |
| Create and edit horizontal and vertical alignments.                        | X | X | X |
| Trim and extend lines.                                                     |   | X | X |
| <b>Working with Surfaces</b>                                               |   |   |   |
| Create surfaces and add and remove surface members.                        | X | X | X |
| Trim a surface's edge.                                                     | X | X | X |
| Create break lines, contours, profiles, and cross-sections for a surface.  | X | X | X |
| Create a Surface Elevation Grid.                                           | X | X | X |
| Check any surface cross-section by slicing vertically through the surface. | X | X | X |
| Add and remove boundaries for a surface.                                   |   |   | X |



# D W Technologies Ltd.

|                                                                                                                             |   |   |   |
|-----------------------------------------------------------------------------------------------------------------------------|---|---|---|
| Create a surface edge break line, drape a line on a surface, and add surface texture.                                       |   |   | X |
| Create a cut/fill map.                                                                                                      |   |   | X |
| Specify the shading on a surface or cut/fill map.                                                                           |   |   | X |
| Create, edit, and copy a graphic view formed by slicing vertically through and perpendicular to a horizontal alignment.     |   |   | X |
| <b>Working with images</b>                                                                                                  |   |   |   |
| View media files (for example, photo images) assigned to points and line strings.                                           | X | X | X |
| Assign media files to, and remove media files from, points and line strings.                                                |   | X | X |
| <b>Using related tools</b>                                                                                                  |   |   |   |
| Easily access numerous related tools and utilities, including the Coordinate System Manager and Feature Definition Manager. | X | X | X |
| <b>Learning to use the software</b>                                                                                         |   |   |   |
| Access comprehensive online Help at anytime by pressing F1.                                                                 | X | X | X |