**Licensed Features**

The following table shows the features available in Spectra Precision Survey Office based on the installed licence. Contact your dealer for more information.

|  |  |  |  |
| --- | --- | --- | --- |
|  |  |  |  |
| **Feature** | **No licence** | **Basic licence** | **Complete licence** |
| **Managing project files** |
| Create, save, open, and archive Spectra Precision Survey Office (.VCE) projects. | X | X | X |
| **Configuring projects** |
| Configure a project by specifying the following:- Coordinate system- Units of measurement- Viewing properties- Computations- Baseline processing parameters- Network adjustment parameters- Default standard errors- 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 in the project organized by type. | X | X | X |
| **Importing and exporting data** |
| 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 |
| **Processing data** |
| 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 |
| **Viewing data** |
| 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 can be easily reorganized and copied into other applications | X | X | X |
| 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 |
| **Selecting data** |
| Choose from numerous selection options to easily and precisely select data in your project. Or, create customized selection sets in advance. | X | X | X |
| **Editing data** |
| 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 |
| **Working with features** |
| 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 |
| **Working with Lines** |
| 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 |
| **Working with Surfaces** |
| 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 |
| 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 |
| **Working with images** |
| 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 |
| **Using related tools** |
| Easily access numerous related tools and utilities, including the Coordinate System Manager and Feature Definition Manager. | X | X | X |
| **Learning to use the software** |
| Access comprehensive online Help at anytime by pressing F1. | X | X | X |