

June 2019

## Survey Office v5.10

Each Survey Office (SO) edition and module are designed to support a set of related workflows and features. The SO licensing structure requires a single edition with the ability to add multiple modules.

**Viewer (Unlicensed):** Import + review field data, view projects, + export to Trimble field devices + software

**Field Data edition:** Export third-party field data, perform basic CAD functions, complete data quality control, + work with level data

**Survey Intermediate edition:** Perform GNSS post-processing, traverse + network adjustments, site calibrations, work with background images, labels, + dimensions

**Survey Advanced edition:** Create plan sets, process cadastral data, leverage full COGO + corridor design routines

| Command   | Viewer   | Field Data | Survey Intermediate | Survey Advanced |
|---|----------|------------|---------------------|-----------------|
| Coordinate System Management                        | X        | X          | X                   | X               |
| Data Viewing  | X        | X          | X                   | X               |
| Feature Definition Management                       | X        | X          | X                   | X               |
| <b>Feature Library Creation + Editing</b>           | <b>X</b> | <b>X</b>   | <b>X</b>            | <b>X</b>        |
| GNSS Online Planning                                | X        | X          | X                   | X               |
| SketchUp Compatibility                              | X        | X          | X                   | X               |
| Trimble Field Data Import + Export                  | X        | X          | X                   | X               |
| Trimble Sync Manager                                | X        | X          | X                   | X               |
| VisionLink  | X        | X          | X                   | X               |
| Basic CAD + COGO Tools                              |          | X          | X                   | X               |
| Data Spreadsheets                                   |          | X          | X                   | X               |
| <b>Detect Crossing Geometry</b>                     |          | <b>X</b>   | <b>X</b>            | <b>X</b>        |
| <b>Feature Code Processing</b>                      |          | <b>X</b>   | <b>X</b>            | <b>X</b>        |
| <b>Georeference + Export IFC for Trimble Access</b> |          | <b>X</b>   | <b>X</b>            | <b>X</b>        |
| Import + Adjust Level Data                          |          | X          | X                   | X               |
| Import + Export ESRI Shapefiles                     |          | X          | X                   | X               |
| Local Site Settings                                 |          | X          | X                   | X               |
| Optical Data Processing                             |          | X          | X                   | X               |
| <b>Third-Party Data Exports</b>                     |          | <b>X</b>   | <b>X</b>            | <b>X</b>        |
| <b>TopoDOT Export - Terrestrial Scan Data</b>       |          | <b>X</b>   | <b>X</b>            | <b>X</b>        |
| Create + Edit Alignments                            |          |            | X                   | X               |
| Create + Edit Surfaces                              |          |            | X                   | X               |
| Create Points from CAD                              |          |            | X                   | X               |
| Earthwork Reports                                   |          |            | X                   | X               |
| Point Cloud Viewing + Sampling                      |          |            | X                   | X               |
| Surface + Stored Cross-Section Reports              |          |            | X                   | X               |
| Surface Contours                                    |          |            | X                   | X               |
| View Data in Google Earth                           |          |            | X                   | X               |

This document is for informational purposes only and is not a legally binding agreement or offer. Spectra Geospatial makes no warranties and assumes no obligations or liabilities hereunder.

© 2019, Trimble Inc. All rights reserved. Spectra Geospatial is a Division of Trimble Inc. Spectra Geospatial and the Spectra Geospatial logo are trademarks of Trimble Inc. or its subsidiaries. All other trademarks are the property of their respective owners.

Editions (continued)

| <b>Command</b>                              | <b>Viewer</b> | <b>Field Data</b> | <b>Survey Intermediate</b> | <b>Survey Advanced</b> |
|---|---------------|-------------------|----------------------------|------------------------|
| <b>ALTA Relative Precision Report</b>       |               |                   | X                          | <b>X</b>               |
| Customized Reports                          |               |                   | X                          | X                      |
| Dimensions + Annotations                    |               |                   | X                          | X                      |
| Display Background Maps                     |               |                   | X                          | X                      |
| <b>Dynamic Label + Table Creation</b>       |               |                   | X                          | <b>X</b>               |
| Georeference PDFs                           |               |                   | X                          | X                      |
| <b>GNSS Baseline Processing</b>             |               |                   | X                          | <b>X</b>               |
| Grid + Ground Labeling                      |               |                   | X                          | X                      |
| Image Tools                                 |               |                   | X                          | X                      |
| Network Adjustments                         |               |                   | X                          | X                      |
| Site Calibration Tools                      |               |                   | X                          | X                      |
| <b>Traverse Adjustments</b>                 |               |                   | X                          | <b>X</b>               |
| Trimble RTX GNSS PP Service                 |               |                   | X                          | X                      |
| Automated Cross-Section Plots               |               |                   |                            | X                      |
| Corridor Design Tools                       |               |                   |                            | X                      |
| Create 3D PDFs                              |               |                   |                            | X                      |
| Create COGO + Survey CAD Commands           |               |                   |                            | X                      |
| Create Plan + Sheet Sets                    |               |                   |                            | X                      |
| Create Rectified Images                     |               |                   |                            | X                      |
| <b>Create Side Slope</b>                    |               |                   |                            | <b>X</b>               |
| Create Subplanes Along a Path               |               |                   |                            | X                      |
| <b>Cutting Plane View + Plane Manager</b>   |               |                   |                            | <b>X</b>               |
| Dynamic Scale Bars                          |               |                   |                            | X                      |
| Dynaview Links to Model Space               |               |                   |                            | X                      |
| Generate Panorama Images                    |               |                   |                            | X                      |
| History Log View                            |               |                   |                            | X                      |
| <b>Import + View Mobile Mapping Data</b>    |               |                   |                            | <b>X</b>               |
| Legal Description Writer                    |               |                   |                            | X                      |
| <b>Macros Creation + Application</b>        |               |                   |                            | <b>X</b>               |
| Merge Survey Projects                       |               |                   |                            | X                      |
| Parcel + Map Check Routines                 |               |                   |                            | X                      |
| Projected, Radial, + Vertical Surfaces      |               |                   |                            | X                      |
| Publish to Trimble Clarity v1               |               |                   |                            | X                      |
| Single + Double Proportioning               |               |                   |                            | X                      |
| Superelevation Diagrams                     |               |                   |                            | X                      |
| <b>TopoDOT Export - Mobile Mapping Data</b> |               |                   |                            | <b>X</b>               |
| Trimble VISION Support                      |               |                   |                            | X                      |
| Virtual DR                                  |               |                   |                            | X                      |

**Aerial Photogrammetry module:** Process + create deliverables with Trimble + third-party UAV data in SO + UASMaster (included)

**GIS module:** Seamlessly integrate GIS data from Survey Pro, TerraSync, + TerraFlex software + connect to external GIS databases

**Scanning module:** Classify regions, extract features, + create deliverables from third-party point clouds

**Tunneling module:** Create + edit tunnel models + create customized as-built + geometry reports

| Command                                     | Aerial Photogrammetry | GIS | Scanning | Tunneling |
|---|-----------------------|-----|----------|-----------|
| Adjust Photo Stations                       | x                     |     |          |           |
| Adjustment with Ground Control Points       | x                     |     |          |           |
| Advanced UAS Adjustment                     | x                     |     |          |           |
| Create Orthomosaic, Point Cloud, + DSMs     | x                     |     |          |           |
| <b>Delair UX11 Support</b>                  | <b>x</b>              |     |          |           |
| Hardware Agnostic Support in UASMaster      | x                     |     |          |           |
| senseFly eBee SODA Support                  | x                     |     |          |           |
| UASMaster v9.x                              | x                     |     |          |           |
| Extract Schema into Feature Libraries       |                       | x   |          |           |
| Import + Export File Geodatabases           |                       | x   |          |           |
| <b>Import COR Files</b>                     |                       | x   |          |           |
| Map Metadata                                |                       | x   |          |           |
| Post-process SSF Data                       |                       | x   |          |           |
| Read GIS Data from Data Sources             |                       | x   |          |           |
| Upload Features to GIS Data Sources         |                       | x   |          |           |
| Automatic Ground Extraction                 |                       |     | x        |           |
| Automatic Region Classification             |                       |     | x        |           |
| Create CAD Points from Scan Points          |                       |     | x        |           |
| Create Orthophoto Images                    |                       |     | x        |           |
| <b>Extract Point Features</b>               |                       |     | x        |           |
| Georeference Scan Data                      |                       |     | x        |           |
| <b>Import FARO Scan Data</b>                |                       |     | x        |           |
| <b>Import TZF (Trimble TX6 + TX8) Data</b>  |                       |     | x        |           |
| Intensity-based Point Cloud Filtering       |                       |     | x        |           |
| Pairwise Point Cloud Registration           |                       |     | x        |           |
| <b>Plane-based Point Cloud Registration</b> |                       |     | x        |           |
| Assign Point Cloud to Tunnel As-Built       |                       |     |          | x         |
| Create + Edit Tunnel Corridors              |                       |     |          | x         |
| Create Setout Points                        |                       |     |          | x         |
| Custom As-Built Tunnel Reports              |                       |     |          | x         |
| Draft Plan Sets with Tunnel Geometry        |                       |     |          | x         |
| Import + Export to Trimble Access Tunnels   |                       |     |          | x         |
| <b>Render Design + As-Built Tunnel Mesh</b> |                       |     |          | <b>x</b>  |
| Tunnel Geometry Reports                     |                       |     |          | x         |

**Bold** indicates a new or enhanced feature in Survey Office v5.10.