

Command Matrix

Survey Office v2024.00 Software

Editions

Each Survey Office (SO) Edition is designed to support a set of related workflows:

- **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:**
GNSS post-processing, network + traverse adjustments, site calibrations; work with background images, labels, + dimensions.
- **Survey Advanced Edition:**
Work with Trimble® VISION™ data, create plan sets, process cadastral data, leverage full COGO + corridor routines.

Command Matrix

Survey Office v2024.00 Software - Editions

Blue text denotes new or enhanced v2024.00 features.

Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
3D Preset Views	x	x	x	x
3D View Projection (Perspective vs. Ortho)	x	x	x	x
3D View Settings	x	x	x	x
About Trimble Business Center	x	x	x	x
Access Services	x	x	x	x
Accuracy Verification Test Reports	x	x	x	x
Add External Job Site Design	x	x	x	x
Add Mission	x	x	x	x
Archive Project	x	x	x	x
Back	x	x	x	x
Backward Planar View (Backward Camera View)	x	x	x	x
Batch Coordinate System	x	x	x	x
Bottom	x	x	x	x
Bring Forward	x	x	x	x
Bring to Front	x	x	x	x
Browse For Import File	x	x	x	x
CAD Command Line	x	x	x	x
Calibrate Laser Scanners	x	x	x	x
Center	x	x	x	x
Check for Updates	x	x	x	x
Cleanup Mobile Mapping Mission	x	x	x	x
Close Project	x	x	x	x
Colorize Scans	x	x	x	x
Command Pane	x	x	x	x
Compress/Email Field Data	x	x	x	x
Compute Project	x	x	x	x
Connected Community HCE	x	x	x	x
Connected Workspace	x	x	x	x
Convert Measure to Surface Point	x	x	x	x
Controller Manager	x	x	x	x
Convert CSV to FXL	x	x	x	x
Convert to RINEX	x	x	x	x
Coordinate Scroll	x	x	x	x
Coordinate System Manager	x	x	x	x
Copy Field Data to Data Card	x	x	x	x
Copy Field Data to USB Flash Drive	x	x	x	x
Copy Project Library to USB Flash Drive	x	x	x	x
Copy Work Order	x	x	x	x
Crack Display Settings	x	x	x	x

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Create Job Site Design	x	x	x	x
Create WorksManager Design	x	x	x	x
Create WorksOS Project	x	x	x	x
Create Work Order	x	x	x	x
Cutting Plane View	x	x	x	x
Debug Selection	x	x	x	x
Define Command Shortcuts	x	x	x	x
Defined Views	x	x	x	x
Delete	x	x	x	x
Delete Work Order	x	x	x	x
Device Pane	x	x	x	x
Edit Limit Box	x	x	x	x
eLearning	x	x	x	x
End-User License Agreement	x	x	x	x
Exit	x	x	x	x
Explore Object	x	x	x	x
Export .12da 12D Format Files (Basic)	x	x	x	x
Export DC Road Format From Corridor	x	x	x	x
Export DC Road Format From Surface	x	x	x	x
Export DWG	x	x	x	x
Export DXF	x	x	x	x
Export Field Data (Trimble Machine Control)	x	x	x	x
Export GCS900 Excavator Profile Files	x	x	x	x
Export GCS900 Machine Avoidance Zone File	x	x	x	x
Export GCS900 Machine Jobsite Design	x	x	x	x
Export GCS900 Machine Site Map	x	x	x	x
Export Measure Codes Definition File (MCD)	x	x	x	x
Export Project Link Exporter VCL File	x	x	x	x
Export SIMA Format	x	x	x	x
Export SketchUp® .skp Files	x	x	x	x
Export Somero .nod Files	x	x	x	x
Export Survey Controller Job File	x	x	x	x
Export Survey Data Collector DC File	x	x	x	x
Export Survey Pro Job File	x	x	x	x
Export TDS Interlock (ilj) File	x	x	x	x
Export to Other CAD Applications	x	x	x	x
Export Trimble Access™ job File	x	x	x	x
Export Trimble Access Road Strings	x	x	x	x
Export Trimble Access RXL Road Templates	x	x	x	x

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Export Trimble Data Exchange Format (TDEF) File	x	x	x	x
Export Trimble JobXML Field Software Format	x	x	x	x
Feature Definition Manager	x	x	x	x
Filter Line Markings	x	x	x	x
Flags Pane	x	x	x	x
Float View	x	x	x	x
Front	x	x	x	x
Generate Heat Map	x	x	x	x
Go To Run Position	x	x	x	x
Help	x	x	x	x
Imaging Config	x	x	x	x
Import	x	x	x	x
Import .12da File (Basic)	x	x	x	x
Import .asc ASCII, TDEF, Raw Data, InRoads Hz and Vt Alignment Files	x	x	x	x
Import .cal Site Calibration Files	x	x	x	x
Import .dat DiNi Level Files	x	x	x	x
Import .dat STAR*Net Level Files	x	x	x	x
Import .eje MDT Hz Alignment Files	x	x	x	x
Import .inf Fast Survey Files	x	x	x	x
Import .pbj Rangefinder Laser Files	x	x	x	x
Import .raw (TDS, Nikon) Raw Data Files	x	x	x	x
import .sp3, sp3c precise ephemeris files	x	x	x	x
Import .xyz point Cloud Files	x	x	x	x
Import .xyz Point Cloud Files	x	x	x	x
Import ASCII CSV Files - PNEZD	x	x	x	x
Import ASCII CSV Files - Station, Offset, Elevation	x	x	x	x
Import Ashtech ProMark / ProFlex .crd Format	x	x	x	x
Import Ashtech ProMark / ProFlex .ddd Format	x	x	x	x
Import Autodesk DWG Format	x	x	x	x
Import Autodesk DXF Format	x	x	x	x
Import Bentley .icm.dgn iModel Files	x	x	x	x
Import Bentley Microstation dgn files	x	x	x	x
Import Business Center - HCE .VCL Project Link Files	x	x	x	x
Import CaAiCE .txt Files	x	x	x	x
Import Cartomap .txt Files	x	x	x	x
Import CLIP .alz Alignment Files	x	x	x	x
Import CLIP .plt Alignment Files	x	x	x	x
Import CLIP .trv Files	x	x	x	x

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Import e57 Format	x	x	x	x
Import Fast Survey .sys Files	x	x	x	x
Import Format Editor	x	x	x	x
Import GCS900 .avoid Format	x	x	x	x
Import GCS900 .avoid.svl Avoidance Zone Files	x	x	x	x
Import GCS900 .cfg Coordinate System Files	x	x	x	x
Import GCS900 .dsp Format	x	x	x	x
Import GCS900 .mch Format	x	x	x	x
Import GCS900 .mch Measure Up Files	x	x	x	x
Import GCS900 .persist Format	x	x	x	x
Import GCS900 .pro Format	x	x	x	x
Import GCS900 .svd Files	x	x	x	x
Import GCS900 .svd Format	x	x	x	x
Import GCS900 .svl Files	x	x	x	x
Import GCS900 .svl Format	x	x	x	x
Import GCS900 .tsd Format	x	x	x	x
Import Geopak .xsr Cross Section Report File	x	x	x	x
Import HYDR0pro .hpt Files	x	x	x	x
Import IFC Files	x	x	x	x
Import Inframodel .xml Files	x	x	x	x
Import InRoads .soe Files	x	x	x	x
Import IREDES .xml Tunnel and Drill Plan Files	x	x	x	x
Import ISPOL .ali Alignment Files	x	x	x	x
Import ISPOL .ras Vertical Alignment Files	x	x	x	x
Import ISPOL .sce and .sc1 Files	x	x	x	x
Import LandXML Format	x	x	x	x
Import LAS/LAZ Format	x	x	x	x
Import Measure Codes Definition File (.MCD)	x	x	x	x
Import MDT .ras Vertical Alignment Files	x	x	x	x
Import MDT .tra Files	x	x	x	x
Import Monitoring Epochs	x	x	x	x
Import MX GENIO .crd, .mos, .txt Files	x	x	x	x
Import NGS .ds Data Sheet Files	x	x	x	x
Import NGS .htm Data Sheet Files	x	x	x	x
Import NGS OPUS .xml Files	x	x	x	x
Import Nikon Job File	x	x	x	x
Import Norway .KOF Files	x	x	x	x
Import Norway .tit Files	x	x	x	x
Import Novapoint .gen Files	x	x	x	x

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Import Novapoint .vgp Files	x	x	x	x
Import PCS900 .persist Display Configuration Files	x	x	x	x
Import POD Format	x	x	x	x
Import PTS Format	x	x	x	x
Import PTX Format	x	x	x	x
Import RCP Format	x	x	x	x
Import REB .021 Files	x	x	x	x
Import REB .040 Files	x	x	x	x
Import REB .066 Files	x	x	x	x
Import REB .66 Files	x	x	x	x
Import Report	x	x	x	x
Import Report	x	x	x	x
Import SBG .geo Files	x	x	x	x
Import SBG .gt Files	x	x	x	x
Import SBG .lin Files	x	x	x	x
Import SBG .llc Files	x	x	x	x
Import SBG .lmd Files	x	x	x	x
Import SBG .nyl Files	x	x	x	x
Import SBG .prf Files	x	x	x	x
Import SBG .pxy Files	x	x	x	x
Import SBG .sec Files	x	x	x	x
Import SBG .skv Files	x	x	x	x
Import SCS900 .gcj Work Order Files	x	x	x	x
Import SCS900 .ini Site Settings File	x	x	x	x
Import SCS900 .spj Work Order Files	x	x	x	x
Import SCS900 .txt Work Order Results File	x	x	x	x
Import Sitepulse .epj Work Order Result Files	x	x	x	x
Import Sketchup .skp Files	x	x	x	x
Import Somero .nod Files	x	x	x	x
Import SOSI Format	x	x	x	x
Import Spectra Precision Field Surveyor .asc Format	x	x	x	x
Import Spectra Precision Field Surveyor .dat Format	x	x	x	x
Import Spectra Precision Field Surveyor .xml Format	x	x	x	x
Import Spectra Precision Field Surveyor ASCII Format	x	x	x	x
Import Spectra Precision Focus DL-15 Level Files	x	x	x	x
Import Survey Pro .job Format	x	x	x	x

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Import Survey Pro .raw Format	x	x	x	x
Import Survey Pro .survey Format	x	x	x	x
Import Survey Pro .xml Format	x	x	x	x
Import TDS Interlock .ilj Format	x	x	x	x
Import Terramodel PRO Files	x	x	x	x
Import Trimble .dat GNSS Files	x	x	x	x
Import Trimble .dc Data Collector Files	x	x	x	x
Import Trimble .dc Site Calibration Files	x	x	x	x
Import Trimble .FXL Feature Code Library Files	x	x	x	x
Import Trimble .pav Paving Run Files	x	x	x	x
Import Trimble .RXL RoadXML Files	x	x	x	x
Import Trimble .tdx Data Exchange Files	x	x	x	x
Import Trimble .tsf Scanner Files	x	x	x	x
Import .TRB TrimBim Files	x	x	x	x
Import Trimble .ttm Surface Model Files	x	x	x	x
Import Trimble Access .dc Format	x	x	x	x
Import Trimble Access .job Format	x	x	x	x
Import Trimble Access .jxl Format	x	x	x	x
Import Trimble Access .rxl Format	x	x	x	x
Import Trimble Access .xml Format	x	x	x	x
Import Trimble Digital Fieldbook .dc Format	x	x	x	x
Import Trimble Digital Fieldbook .job Format	x	x	x	x
Import Trimble Digital Fieldbook .xml Format	x	x	x	x
Import Trimble GNSS .dat Format	x	x	x	x
Import Trimble GNSS .t00, .t01, .t02 Files	x	x	x	x
Import Trimble GNSS .t00/.t01/.t02 Format	x	x	x	x
Import Trimble Survey Controller .dc Format	x	x	x	x
Import Trimble Survey Controller .job Format	x	x	x	x
Import Trimble Survey Controller .jxl Format	x	x	x	x
Import Trimble Survey Controller .rxl Format	x	x	x	x
Import Trimble Survey Controller .xml Format	x	x	x	x
Import Trimble Survey Manager .jxl Format	x	x	x	x
Import Trimble Survey Manager ASCII Format	x	x	x	x
Import Trimble Survey Pro .survey files	x	x	x	x
Import Wirth .yxz Files	x	x	x	x
Import Work Order Results	x	x	x	x
Import/Export User Options	x	x	x	x
Internal Select Mode	x	x	x	x
Invert Selection	x	x	x	x

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Job Report Generator	x	x	x	x
Job Site Design Manager	x	x	x	x
Job Site Manager	x	x	x	x
Layer Group Manager	x	x	x	x
Layer Manager	x	x	x	x
Left	x	x	x	x
Left Mouse Pan	x	x	x	x
Left Mouse Rotate	x	x	x	x
Left Mouse Select	x	x	x	x
Left Mouse Zoom	x	x	x	x
License Manager	x	x	x	x
Material and Site Improvement Manager	x	x	x	x
Measure Angle	x	x	x	x
Measure Distance	x	x	x	x
Measure Distance CSV Report	x	x	x	x
Measure Point	x	x	x	x
Move to Next Tab Group	x	x	x	x
Move to Previous Tab Group	x	x	x	x
New 3D Drive View	x	x	x	x
New 3D View	x	x	x	x
New Batch Parameters	x	x	x	x
New Cross-Section View	x	x	x	x
New Default Project	x	x	x	x
New Feature Library	x	x	x	x
New Horizontal Tab Group	x	x	x	x
New Oblique Camera View	x	x	x	x
New Plan View	x	x	x	x
New Plan View (old architecture)	x	x	x	x
New Profile View	x	x	x	x
New Project	x	x	x	x
New Station View	x	x	x	x
New Station View (referenced images)	x	x	x	x
New Vertical Tab Group	x	x	x	x
Office Synchronizer	x	x	x	x
OGC Service Manager	x	x	x	x
Online GNSS Planning	x	x	x	x
Open Project	x	x	x	x
Open Remote File	x	x	x	x
Options	x	x	x	x

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Orthographic	x	x	x	x
Overexcavation Template Manager	x	x	x	x
Pan	x	x	x	x
Pan Precise	x	x	x	x
Perspective	x	x	x	x
Plane Manager	x	x	x	x
Planning	x	x	x	x
Polygon Select	x	x	x	x
Presentation Mode	x	x	x	x
Process SCS work order symbols	x	x	x	x
Process View	x	x	x	x
Profile Viewer	x	x	x	x
Project Explorer	x	x	x	x
Project Settings	x	x	x	x
Properties	x	x	x	x
Publish Scan Data	x	x	x	x
Publish Designs to WorksManager	x	x	x	x
Publish Field Data To Business Data Center	x	x	x	x
Publish Field Data to Project Library	x	x	x	x
Publish Library to USB	x	x	x	x
Publish to Clarity	x	x	x	x
Publish to WorksOS	x	x	x	x
Quadri Connector	x	x	x	x
Quality Assurance Report	x	x	x	x
Reassign External Job Site Design	x	x	x	x
Reassign Work Order	x	x	x	x
Rectangle Select	x	x	x	x
Redo	x	x	x	x
Reference File View Filter Manager	x	x	x	x
Region of Interest	x	x	x	x
Right	x	x	x	x
Run Last Command	x	x	x	x
Run View (Panoramic View)	x	x	x	x
Save As Clone	x	x	x	x
Save File Remotely	x	x	x	x
Save Project	x	x	x	x
Save Project As	x	x	x	x
Save Project As Template	x	x	x	x
SBET Frame and Epoch	x	x	x	x

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
SCS Data Manager	x	x	x	x
Select All	x	x	x	x
Select by Layer	x	x	x	x
Select by Polygon	x	x	x	x
Select Points	x	x	x	x
Selection Explorer	x	x	x	x
Send Backward	x	x	x	x
Send to Back	x	x	x	x
Set Limit Box	x	x	x	x
Set Menu Layout	x	x	x	x
Side Planar View (Side Camera View)	x	x	x	x
SiteVision AR Exporter	x	x	x	x
Spectra Geospatial Origin Job File Exporter	x	x	x	x
Snap Mode	x	x	x	x
Start Page	x	x	x	x
Station View Image Filter	x	x	x	x
Stored Measurements Report	x	x	x	x
Surface Slicer View	x	x	x	x
Tile Sequence Viewer	x	x	x	x
Toggle Gridlines	x	x	x	x
Toggle Line Marking	x	x	x	x
Toggle Visibility	x	x	x	x
Toggle Z-Axis	x	x	x	x
Top	x	x	x	x
Tours and Tutorials	x	x	x	x
.track File Export	x	x	x	x
Trajectory Plots	x	x	x	x
Trajectory Settings	x	x	x	x
Trimble Access Services	x	x	x	x
Trimble Clarity	x	x	x	x
Trimble Maps None	x	x	x	x
Trimble Maps Satellite	x	x	x	x
Trimble Maps Street	x	x	x	x
Trimble Maps Terrain	x	x	x	x
Trimble Sync	x	x	x	x
Trimble Sync Manager™	x	x	x	x
Undo	x	x	x	x
User Profile Manager	x	x	x	x
View 3D Preset Last Used	x	x	x	x

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
View Camera Images	x	x	x	x
View Filter Manager	x	x	x	x
View Mission Trajectory (Toggle Trajectory)	x	x	x	x
Walk-Through	x	x	x	x
Web Map Service	x	x	x	x
WorksManager	x	x	x	x
WorksManager Design Manager	x	x	x	x
WorksManager Design Status	x	x	x	x
WorksManager Field Data to USB Drive	x	x	x	x
WorksManager Project	x	x	x	x
WorksManager Work Order	x	x	x	x
WorksOS	x	x	x	x
Work Order Editor	x	x	x	x
Work Order Report	x	x	x	x
Work Order Report	x	x	x	x
Work Orders Summary	x	x	x	x
Workflow Guides	x	x	x	x
Write FXL to CSV	x	x	x	x
Zoom	x	x	x	x
Zoom Extents	x	x	x	x
Zoom In	x	x	x	x
Zoom Out	x	x	x	x
Zoom Precise	x	x	x	x
Add/Remove Selection		x	x	x
Advanced Select		x	x	x
As Staked Corridor Report		x	x	x
As Staked Report		x	x	x
Batter Conformance Report		x	x	x
Break Line		x	x	x
Change Coordinate System		x	x	x
Clip Lines		x	x	x
Combine Level Files		x	x	x
Coordinate System Comparison Report		x	x	x
Copy Objects		x	x	x
Create Arc		x	x	x
Create Block		x	x	x
Create Boundary		x	x	x
Create Circle		x	x	x
Create Dependent Point		x	x	x

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Create Linestring		x	x	x
Create Plotbox		x	x	x
Create Point		x	x	x
Create Polygon		x	x	x
Create Polyline		x	x	x
Create Rectangle		x	x	x
Create Text		x	x	x
Create Three Point Circle		x	x	x
Create Three Point Rectangle		x	x	x
Datum Gridding		x	x	x
Delete Line Segment		x	x	x
Detect Crossing Geometry		x	x	x
Disable Redundant Backsights		x	x	x
Divide Line		x	x	x
Edit		x	x	x
Edit Dependent Point		x	x	x
Edit Linestring		x	x	x
Edit Text		x	x	x
Explode		x	x	x
Explode Points		x	x	x
Export LAZ Point Clouds		x	x	x
Export Applanix Smartbase Format		x	x	x
Export BlueBook Format		x	x	x
Export Digital Fieldbook Job File		x	x	x
Export E57 Point Clouds		x	x	x
Export E57 Structured		x	x	x
Export ESRI Shapefile Format		x	x	x
Export Field Surveyor V2 Job File		x	x	x
Export Format Editor		x	x	x
Export Google KML/KMZ Format		x	x	x
Export IFC		x	x	x
Export Inframodel File		x	x	x
Export KOF Vector Data File		x	x	x
Export LandXML File		x	x	x
Export LAS Point Clouds		x	x	x
Export POD Point Clouds		x	x	x
Export PTS Point Clouds		x	x	x
Export PTX Point Clouds		x	x	x
Export RCP Point Clouds (Autodesk Recap)		x	x	x

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Export RINEX Format		x	x	x
Export SDMS Format		x	x	x
Export SOSI Format		x	x	x
Export Trajectory CSV File		x	x	x
Export TRB file		x	x	x
Export TTM File		x	x	x
External Processing Services		x	x	x
Feature Attributes Export		x	x	x
Feature Code Processing Report		x	x	x
Geodatabase XML Exporter		x	x	x
Geoid Sub-Gridding		x	x	x
Google Earth™		x	x	x
Import Blocks		x	x	x
Insert Blocks		x	x	x
Import Esri Shapefile Format		x	x	x
Integrate Points into Geometry		x	x	x
Inverse		x	x	x
Inverse Results Report		x	x	x
Join Lines		x	x	x
Level Editor		x	x	x
Level Report		x	x	x
Line Style Manager		x	x	x
Line Type Editor		x	x	x
Local Site Settings		x	x	x
Mean Angle Report		x	x	x
Mean Angle Residuals		x	x	x
Merge Points		x	x	x
Mirror Objects		x	x	x
Move Objects		x	x	x
Move Survey Point		x	x	x
Name Objects		x	x	x
New Feature Spreadsheet		x	x	x
New Layer		x	x	x
New Occupation Spreadsheet		x	x	x
New Optical Spreadsheet		x	x	x
New Points Spreadsheet		x	x	x
New Vector Spreadsheet		x	x	x
Offset Line		x	x	x
Page Setup		x	x	x

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Pipeline Attributes		x	x	x
Point Comparison Report		x	x	x
Point Derivation Report		x	x	x
Point List Report		x	x	x
Point Symbol		x	x	x
Print		x	x	x
Print Preview		x	x	x
Process Feature Codes		x	x	x
Processing Services		x	x	x
Project Computation Report		x	x	x
Publish to TCC		x	x	x
Purge Blocks		x	x	x
Quality Assurance Report		x	x	x
Related Files		x	x	x
Relayer Objects		x	x	x
Rename Points		x	x	x
Renamed Point List Report		x	x	x
Report Options		x	x	x
Rotate Objects		x	x	x
Save As Site		x	x	x
Scale Objects		x	x	x
Select by Elevation Range		x	x	x
Select Duplicate Points		x	x	x
Select Observations		x	x	x
Select Points by Vector		x	x	x
Select Unprocessed Sessions		x	x	x
Site Calibration		x	x	x
Site Calibration Report		x	x	x
Start Data Service		x	x	x
Station Panorama Exporter		x	x	x
Symbol Editor		x	x	x
Symbol Manager		x	x	x
TDX Export		x	x	x
Text Style Manager		x	x	x
TopoDOT™ Export - Terrestrial Scan Data		x	x	x
Total Station Editor		x	x	x
Vector List Report		x	x	x
Write Features to GIS Report		x	x	x
X7 Export to TMX		x	x	x

Command Matrix

Survey Office v2024.00 Software - Editions

Blue text denotes new or enhanced v2024.00 features.

Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Add Legend			X	X
Add Surface Texture			X	X
Add to Point Cloud Region			X	X
Add/Remove Surface Boundaries			X	X
Add/Remove Surface Members			X	X
Alignment Editor			X	X
Alignment Geometry Report			X	X
Append to Alignment			X	X
Append Tracked Line			X	X
AreaLengthCountReport			X	X
Average Points			X	X
Big Point Size			X	X
Blended Display			X	X
Change Elevation			X	X
Change Global to Local			X	X
Change Local to Global			X	X
Clip Selected			X	X
Clip Unselected			X	X
Color Regions By Elevation			X	X
Colorize Region			X	X
Convert As-Staked Point			X	X
Convert CAD Points			X	X
Convert Global to Local			X	X
Convert Local To Global			X	X
Copy Stored Cross-Section			X	X
Copy To Profile			X	X
Create Alignment			X	X
Create Alignment From a GENIO 6D String			X	X
Create Breakline			X	X
Create CAD Points from Scan Points (Scan to CAD)			X	X
Create Composite Surface			X	X
Create Contour at Elevation			X	X
Create Contours			X	X
Create Cut/Fill Map			X	X
Create Hatch			X	X
Create Horizontal Alignment Label			X	X
Create Linestring from Points			X	X
Create Planar Surface			X	X
Create Point Cloud Region			X	X

Command Matrix

Survey Office v2024.00 Software - Editions

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Create Points at Intervals			X	X
Create Points from CAD			X	X
Create Profile Proxy			X	X
Create Quick Contour at Elevation			X	X
Create Quick Contours			X	X
Create Stored Cross-Section			X	X
Create Surface			X	X
Create Surface Cross-Section			X	X
Create Surface Edge Breakline			X	X
Create Surface Elevation Grid			X	X
Create Surface Intersection			X	X
Create Surface Intersection Lines			X	X
Create Surface Profile			X	X
Create Surface Tie			X	X
Create Volume Grid			X	X
Define Corridor Strata			X	X
Densify An Alignment Based Surface			X	X
Drape Objects On Surface			X	X
Earthwork Report			X	X
Edit Alignment Labels			X	X
Edit Color Mapping			X	X
Edit Composite Surface			X	X
Edit Heatmap Colors (Finished Surface/Pavement Report)			X	X
Export GVX File Format			X	X
Export RXL Road Format from Alignment			X	X
Export RXL Road Format From Surface			X	X
Extra Large Point Size			X	X
Fillet/Chamfer			X	X
Finished Pavement Report			X	X
Finished Surface Report			X	X
Flatten Surface			X	X
Geometry Report			X	X
Get All points			X	X
Get Unused Points			X	X
Keep In			X	X
Keep Out			X	X
Label Contours By Crossing			X	X
Large Point Size			X	X

Command Matrix

Survey Office v2024.00 Software - Editions

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Match Properties			X	X
Measure Volume			X	X
Medium Point Size			X	X
Merge Geometries			X	X
Merge Regions			X	X
Merge Surfaces			X	X
Move/Rotate/Scale Objects			X	X
Move/Rotate/Scale Objects by Points			X	X
MSI Report			X	X
Normal Shading			X	X
Number of loaded points (display Options)			X	X
Pavement Conformance Report			X	X
Point Cloud Rendering Settings			X	X
Points to Surface			X	X
Points to Surface Report			X	X
REB 21.003 Volume Report			X	X
REB 21.033 Linear Surface Areas Report			X	X
REB 22.013 Prismatic Volume Report			X	X
REB 23.003 Calculation Report			X	X
REB Tools			X	X
Rebuild Alignment Labels			X	X
Rebuild Contours			X	X
Rebuild Surface			X	X
Render Point Cloud Region			X	X
Render Point Cloud Region Using Color-Coded Intensity			X	X
Render Point Cloud Region Using Gray-Scale Intensity			X	X
Render Point Cloud Region Using Region Color			X	X
Render Point Cloud Region Using Scan Color			X	X
Render Point Cloud Regions Using Color by Elevation			X	X
Render Point Cloud Regions Using True Color			X	X
RenderByBlendedIntensity			X	X
Rendering Settings			X	X
RenderPointCloudSwitch			X	X
Restore All			X	X
Restore Region			X	X
Sample Point Cloud Regions			X	X
Sample Point Clouds			X	X

Command Matrix

Survey Office v2024.00 Software - Editions

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Select Similar			x	x
Set Line Elevation			x	x
Shrink 3D Faces			x	x
Small Point Size			x	x
Standardize Layers			x	x
Stored Cross-Section Editor			x	x
Surface Information Report			x	x
Swap Surface Triangles			x	x
Switch Point Size			x	x
Track Region Outline			x	x
Trim Surface Edge			x	x
Trim/Extend Lines			x	x
Trimble Access Roads Strings			x	x
Trimble Access Roads RXL Templates			x	x
About Quadri			x	x
Add/Remove Image Boundaries			x	x
Add Reference File			x	x
Adjust Network			x	x
Adjust Traverse			x	x
ALTA/NSPS Allowable Relative Tolerance Report			x	x
Baseline Processing Report			x	x
Capture 3D			x	x
Capture Image			x	x
Clear Adjustment Results			x	x
Clear Processing Results			x	x
Clear Site Calibration			x	x
Clear Task - Quadri			x	x
Clear Traverse Adjustment Result			x	x
Copy View To Clipboard			x	x
Create Angular Dimensions			x	x
Create Custom Report			x	x
Create Leader Lines			x	x
Create Line Label Table			x	x
Create Linear Dimensions			x	x
Create Point Label Table			x	x
Create Polygon Label Table			x	x
Create Task - Quadri			x	x
Dimension Style Manager			x	x
Disable Baselines			x	x
Disable Sessions			x	x

Command Matrix

Survey Office v2024.00 Software - Editions

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Disable Trajectories			X	X
Edit Custom Report			X	X
Edit Dimensions			X	X
Edit Label Table			X	X
Enable Baselines			X	X
Enable Sessions			X	X
Enable Trajectories			X	X
Explode Text			X	X
Find and Replace			X	X
Flip an Azimuth Bearing Label			X	X
Force Continuous			X	X
Georeference Image			X	X
Georeference Vector PDF			X	X
GNSS Loop Closure			X	X
GNSS Loop Closure Results Report			X	X
Import Vector PDF Data			X	X
Insert Image			X	X
Internet Download			X	X
Label Lines			X	X
Label Points			X	X
Label Polygons			X	X
Label Style Manager			X	X
Label Table Style Manager			X	X
Labelling Scale Factor			X	X
Map Objects			X	X
Network Adjustment Report			X	X
New Time-Based View			X	X
Offset Slope			X	X
Pavement Conformance Report (Advanced)			X	X
Place Image			X	X
Process Baselines			X	X
Quadri Settings			X	X
Receive from Quadri			X	X
Select Task - Quadri			X	X
Send to RTX-PP			X	X
Send to Quadri			X	X
Session Editor			X	X
Show Map			X	X
Slope Slope Intersection			X	X

Command Matrix

Survey Office v2024.00 Software - Editions

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
String Report			x	x
Swap Label Sides			x	x
Traverse Adjustment Report			x	x
Best-Fit Line				x
Build Sheets				x
Camera Calibration				x
Camera Calibration Check Report				x
Combine Surfaces				x
Copy to Sheet				x
Corridor Definition Report				x
Corridor Earthwork Report				x
Create 3D PDF				x
Create Composite Geometry				x
Create COGO				x
Create Corridor				x
Create Corridor Surface				x
Create Custom Sheet				x
Create Dynaview				x
Create Dynaview Boundary Collection				x
Create Linestring from Point Cloud				x
Create Plan Set				x
Create Points at Station Offsets				x
Create Point Cloud (non-Aerial)				x
Create Projected Surface				x
Create Quick Profile				x
Create Radial Surface				x
Create Rectified Image				x
Create Scale Bar				x
Create Shareable Slope Table				x
Create Sheet Set				x
Create Side Slope				x
Create Sub-Template				x
Create Surface From Reference File				x
Create Tunnel Inspection Map				x
Define Depth Plane				x
Delete Dynaview Boundary Collection				x
Divide Area				x
Double Proportioning				x
Double Proportioning Report				x
Drafting Templates				x
Dynaview Collection				x

Command Matrix

Survey Office v2024.00 Software - Editions

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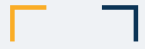
Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Edit Corridor				x
Edit Corridor Template				x
Edit Dynaview Boundary Collection				x
Edit Shareable Slope Table				x
Edit Sheet Set				x
Explode Dynaview Grid				x
Explode Surface				x
Flight Mission Exporter				x
Grid Style Manager				x
Group Photo Stations				x
History Log View				x
Import MXDB Database				x
Insert Corridor Template				x
Legal Description Writer				x
Macros				x
Manage Material Layers				x
Manage Template Node Names				x
Manual Camera Calibration				x
Manual (MX7) Camera Calibration				x
Map Check Report				x
Mapillary Panorama Exporter				x
Measure Photo Point				x
Merge Survey Projects				x
MX9 Export to Solv3D				x
New Block Edit View				x
New Photo Point Spreadsheet				x
New Sheet View				x
Offset Surface				x
Optimize Surface Report				x
Print Plan Set				x
Process Panoramas				x
Reproject Surface				x
Roughness Index Report				x
Select Point Cloud By Boundary				x
Shrink Wrap				x
Single Proportioning				x
Single Proportioning Report				x
Station Offset Elevation Report				x
Superelevation Diagram				x

Command Matrix

Survey Office v2024.00 Software - Editions

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Command	Viewer	Field Data	Survey Intermediate	Survey Advanced
Superelevation View				x
Terrestrial Bundle Adjustment Report				x
TopoDOT Export - Mobile Mapping Data				x
Transform Survey Points				x
Transform Survey Points Report				x
Trimble MX Cubical Exporter				x
Trimble MX Panorama Exporter				x
Virtual DR				x
XML Horus Exporter				x



Command Matrix

Survey Office v2024.00 Software

Modules

Each Survey Office (SO) Module is designed to support a group of workflows around a single topic. The modules are add-ons to an edition.

- **Aerial Photogrammetry Module:** Process + create deliverables with Trimble + third-party UAS data in SO + UASMaster.
- **GIS Module:** Seamlessly integrate GIS data from Trimble Access™ + Trimble TerraSync™ software into SO + connect to external GIS databases.
- **Scanning Module:** Register + colorize SX10 + X7 data; classify regions, extract features, + create deliverables from SX10, X7, + 3rd party point clouds.
- **Tunneling Module:** Create + edit tunnel models for Trimble Access Tunnels + create customized as-built + geometry reports.

Blue text denotes new or enhanced v2024.00 features.

Command	Aerial Photogrammetry	GIS	Scanning	Tunneling
Adjust Photo Stations (with GCP's)	x			
Advanced UAS	x			
Create Deliverables	x			
Create Orthomosaic	x			
Create Point Cloud (Aerial)	x			
Create Raster DSM	x			
Flight Mission Adjustment Report	x			
Import UAS Data	x			
Merge Flight Missions	x			
Open UASMaster	x			
Send to UASMaster	x			
senseFly eMotion Exporter	x			
3D Objects From Surface				
3D Objects From Polygon				
ADAC Exporter				
ADAC Settings v4.2 + v5.01				
Adjust Area				
Adjust Polyline with Bowditch				
Annotate Objects				
Attribute Editor				
Browse for Import File				
Check Line Deflection				
Convert to CAD Points				
Convert to Horizontal Linestring				
Convert To Linestring				
Convert to Multiline Text				
Create 3D Utility Chambers				
Create Best Fit Circle				
Delete Layers				
Edit 3D Utility Chambers				
Edit Linestring Elevation				
Explode Corridor Mass Haul				
Explode Lines				
Export 12da File (Advanced)				
Export ADAC v4.2 + v5.01				
Find and Replace Points				
Find and Replace Text				
Footing Adjust				
Import 12d Color File				
Import 12da File (Advanced)				

Blue text denotes new or enhanced v2024.00 features.

Command	Aerial Photogrammetry	GIS	Scanning	Tunneling
Import ADAC v4.2 + v5.01				
Insert Alignment Table				
Insert/Delete Nodes				
Insert Excel Table				
Insert Legend Table				
Insert Vertices From Points				
Inspect Line Nodes				
Line Node Cleanup				
Map Objects				
Measure Chainage/Offset				
Measure Geometry				
Measure Perpendicular				
Measure Surface				
Measure XFall				
Merge Lines				
Move Line				
Pavement Conformance Report (Advanced)				
Point Conformance Report				
Points From Chainage Offset				
Regroup Layers				
Remove Duplicates				
Rename Objects				
Reorder By Proximity				
Reorder By Selection Order				
Reverse Lines				
Set Line Direction				
Set Point Description				
Set Sewerage Connection Attributes v4.2 + v5.01				
Set Vertex Text				
Show Line Direction Options				
String Conformance Report				
Surface Area Report Tool				
Surface Cleanup				
Unlink Linestrings				
Utilities Autodraft				
Utility Conformance Report				
Utility Node To BIM Object				
Validate ADAC				
Add Drill Hole to Drill Plan				

Command Matrix

Survey Office v2024.00 Software - Modules

Blue text denotes new or enhanced v2024.00 features.

Command	Aerial Photogrammetry	GIS	Scanning	Tunneling
Blow Count Report				
Change Pile ID				
Create Drill Plan				
Create Dynamic Compaction Plan				
Create Manual Drill Plan				
Create New Version				
Create Pile				
Create Pile Plan				
Create Piles at Points				
Drill Hole Quality Report				
Dynamic Compaction Quality Report				
Edit Drill Plan (and Rebuild)				
Edit Pile Types				
Export DPS900 Drill Plan				
Export DPS900 Dynamic Compaction Plan				
Export DPS900 Pile Plan				
Generate As-Drilled Points				
Generate Design Points				
IREDES Drillplan Exporter				
Manage Pile Types				
Piling Quality Report				
Rebuild Drill Plan				
Rebuild Pile Plan				
Select Hole by ID				
Add GIS Connection		x		
Export ESRI File Geodatabase		x		
Get GIS Schema		x		
GIS Connection Manager		x		
Import .cor Files		x		
Import ESRI File Geodatabase		x		
Import .ssf Standard Storage File		x		
Map Metadata		x		
Read Features from GIS		x		
Remove GIS Connection		x		
Write Features to GIS		x		
Add New Project				
Batch Register Run to Run				
Execute Batch				
Export Mobile Mapping Calibration				
Export MX50 to Solv3D				

Command Matrix

Survey Office v2024.00 Software - Modules

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Command	Aerial Photogrammetry	GIS	Scanning	Tunneling
Export MX50 to TMX				
Export MX50 to TopoDOT				
Export Project Parameters				
Extract Classified Point Cloud Regions	x		x	x
Generate PFI				
Generate Scans				
Import Mobile Mapping Calibration				
LAS Export with Timestamp				
Mobile Mapping Report				
Open Batch File				
Process RAW Trajectory Data				
Register Mobile Mapping Scans				
Repair Mobile Mapping Database				
Show Batch Report				
Split Run				
Update Scans				
MX9 Laser Correction (in Mobile Mapping Generate Scans command)				
Assign Monitoring Project				
Create Monitoring Points				
Monitoring Epochs Manager				
Monitoring Points Spreadsheet				
Show Monitoring Chart				
Show Monitoring Report				
Sync Monitoring Project				
Advanced Point Cloud Filtering			x	
Alignment Geometry Report			x	
Ambient Shading Display			x	
Create High and Low Point			x	
Create Orthophoto			x	
Create Scan Station			x	
Enhanced Ambient Shading Mode			x	
Extract Classified Point Cloud Regions			x	
Extract Cross-sections From Point Cloud			x	
Extract Geometry			x	
Extract Line Feature			x	
Extract Point Feature			x	
Extract Stockpile			x	
Drape Objects on Point Cloud			x	
Filter Point Cloud			x	

Command Matrix

Survey Office v2024.00 Software - Modules

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Command	Aerial Photogrammetry	GIS	Scanning	Tunneling
Georeference Scan			X	
Import FLS Scan Files			X	
Import TZF Scan Files			X	
Intensity Based Filtering			X	
International Roughness Index Report (IRI)			X	
Measure Overhead Line Clearance			X	
Measure Vertical Clearance			X	
No Shading Display			X	
Normal Shading Display			X	
Outline Visibility Mode			X	
Point Cloud Region Classifier (Classify Point Clouds)			X	
Point Cloud Smart Picking			X	
Scan Georeferencing			X	
Scan Inspection			X	
Scan Refinement Report			X	
Scan Registration			X	
See Inside Visibility Mode			X	
Add/Remove As-Built Tunnel Mesh Members				X
Add Tunnel Shape Template				X
Assign Tunnel As-Built Points				X
Assign Tunnel Convergence Points				X
Copy Tunnel				X
Create As-Built Tunnel Mesh				X
Create CAD Tunnel Cross-Sections				X
Create Designed Tunnel Mesh				X
Create Tunnel				X
Create Tunnel Alignment				X
Create Tunnel Corridor				X
Create Tunnel Inspection Map				X
Create Tunnel Inspection Points				X
Create Tunnel Shape				X
Create Tunnel Shape From CAD				X
Create Tunnel Template				X
Create Tunnel Undulation Report				X
Create Vertical Shaft				X
Edit Horizontal Tunnel Offset				X
Edit Set Outs				X
Edit Tunnel Rotation				X
Edit Tunnel Shape				X
Edit Vertical Tunnel Offset				X

Command Matrix

Survey Office v2024.00 Software - Modules

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Command	Aerial Photogrammetry	GIS	Scanning	Tunneling
Export SCS900 Tunnel XML File				x
Export TXL				x
Extract Classified Tunnel Regions				x
Import TXL				x
Rebuild As-Built Tunnel Mesh				x
Select Tunnel Points				x
Tunnel As-Built Report (with best-fit circle)				x
Tunnel ASCII Report				x
Tunnel Convergence Report				x
Tunnel Inspection Report				x
Tunnel Inspection View				x
Tunnel Set Outs As-Built Report				x
Tunnel View				x
Create Pipe				
Create Trench Surface				
Create Utility Line				
Create Utility Network				
Create Utility Node				
Create Utility Run				
Edit Trench Template				
Edit User-Defined Utility Shape				
Edit Utility Run				
Insert Trench Template				
Insert Utility Node				
Reverse Utility Run				
Trench Template Manager				
Utility Takeoff Report				

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