Feature Matrix

TRIMBLE BUSINESS CENTER v4.10 SOFTWARE

April 2018

Each Trimble® Business Center (TBC) Edition is designed to support a set of related workflows:

▶ **Viewer (Unlicensed)**: Import field data, review data, and view projects.

▶ **Base Edition**: Export field data, perform basic CAD functions, complete data quality control, adjust networks, and work with level data.

▶ **Intermediate Edition**: Perform GNSS post-processing, traverse adjustments, and site calibrations; and work with surfaces.

▶ **Advanced Edition**: Work with Trimble Vision™ data, create plan sets, process cadastral data, leverage COGO and CAD routines, and work with corridors.

The following add-on modules are available:

▶ **Advanced Drafting Module**: Create plan sets, process cadastral data, and leverage COGO and CAD routines.

▶ **Aerial Photogrammetry Module**: Process and create deliverables with Trimble and third-party UAS data in TBC and UASMaster.

▶ **Data Prep Module**: Turn 2D raster and vector PDF data into 3D vector deliverables.

▶ **GIS Module**: Seamlessly integrate GIS data from Trimble Access™ and TerraSync™ software into TBC and connect to external GIS databases.

▶ **Scanning Module**: Register and colorize SX10™ data and classify regions, extract features, and create deliverables from SX10™ and third-party point clouds.

▶ **Tunneling Module**: Create and edit tunnel models for Trimble Access™ Tunnels and create customized as-built and geometry reports.

Blue text and * symbol denote new or enhanced v4.10 features

Feature	Viewer	Base Edition	Intermediate Edition	Advanced Edition	Advanced Drafting Module	Aerial Photo Module	Data Prep Module	GIS Module	Scanning Module	Tunneling Module
Field Data Import	✓	✓	✓	✓						
Data Viewing	✓	✓	✓	✓						
Feature Definition Management	✓	✓	✓	✓						
Coordinate System Management	*	*	*	*						
Online Services (Access Services, PP)	*	*	*	*						
3D Data Visualization	✓	✓	✓	✓						
Data Spreadsheets		✓	✓	✓						
Optical Data Processing		✓	✓	✓						
Basic CAD and COGO Tools		✓	✓	✓						
Local Site Settings		✓	✓	✓						
Feature Code Processing		*	*	*						
SketchUp Compatibility		✓	✓	✓						
Google Earth Tools		✓	✓	✓						
Data Export		*	*	*						
Network Adjustment		✓	✓	✓						
GPS L1-only Baseline Processing		✓	✓	✓						
Import and Adjust Level Data		*	*	*						

TRANSFORMING THE WAY THE WORLD WORKS

◈ **Trimble**®

Feature	Base	Intermediate	Advanced	Advanced Drafting	Aerial Photogrammetry	Data Prep	GIS	Scanning	Tunneling
Traverse Adjustment		✓	✓						
GNSS Baseline Processing		*	*						
Trimble RTX GNSS PP Service		✓	✓						
3D Data Drive-Through		✓	✓						
Site Calibration Tools		✓	✓						
Automated Labeling		*	*						
Label in Grid and Ground Coordinates		*	*						
Surface and Contour Tools		✓	✓						
Cut/Fill Maps		✓	✓						
Advanced Volume Calculations		✓	✓						
Work with Blocks		✓	✓						
Labelling Tools		*	*						
Image Georeferencing Tools		✓	✓						
Panorama and Image Deliverables		✓	✓						
Point Cloud Management Tools		✓	✓						
Mobile Mapping Feature Extraction Tools			✓						
Superelevation Diagrams			✓						
Corridor Design Tools			✓						
Terrestrial Photogrammetry Tools			✓						
Point Clouds from Trimble Vision			✓						
History Log View			✓						
Automated Dimensioning			✓						
Point Creation at Intervals			✓						
Merge Survey Projects			✓						
Projected and Vertical Surfaces			*						
Parcel and Map Check Routines			*	*					
Legal Description Writer			✓	✓					
Create Plan Sets			✓	✓					
Work with Sheet Sets			✓	✓					
Automated Cross-Section Plotting			✓	✓					
Custom Sheet Plotting			✓	✓					
Dynaview Link to Model Space			✓	✓					
Single and Double Proportioning			*	*					
Dynamic Scale Bar			✓	✓					
Create Leader Lines			✓	✓					
Plan Grid Manager			✓	✓					
Create COGO			✓	✓					
Create 3D PDF			✓	✓	✓				
Create Rectified Image			✓	✓				✓	
Cutting Plan View			*	*				*	
Plane Definition Manager			✓	✓				✓	
Virtual DR			✓					✓	

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Feature	BASE	INTERMEDIATE	ADVANCED	ADVANCED DRAFTING	AERIAL PHOTOGRAMMETRY	DATA PREP	GIS	SCANNING	TUNNELING
UASMaster v9.0					*				
Advanced UAS Adjustment					✓				
Create Orthomosaic, Pt Cloud, DSM					✓				
Automated Tie Point Adjustment					✓				
Adjustment with Ground Control Points					✓				
senseFly eMotion™ flight data support					*				
Create CAD Points from Scan Points					✓			✓	
Smart Pick Feature Extraction Tools					*			*	
Automatic Ground Extraction					✓			✓	
Intensity Based Filtering					✓			✓	
Sample Point Clouds					✓			✓	
Project Cleanup						✓			
Standardize Layers						✓			
Import Raster and Vector PDF Data						✓			
Georeference Vector PDF Data						✓			
Elevate Contours Tools						✓			
Elevate Points, Lines, and Pads						✓			
Digitize Pads, Linestrings, and Contours						✓			
Establish GIS data source connection							✓		
Extract GIS schema and create FXLs							✓		
Upload features to a GIS data source							✓		
Import/Export file geodatabases							✓		
Read GIS Data from data source							✓		
Map Metadata							✓		
Post-process SSF data							*		
Create Orthophoto Image								✓	
Create Scan Station								✓	
Georeference Point Clouds								✓	
Scan Registration								✓	
Automatic Region Classification								✓	
Ambient and Normal Shading								*	
See Inside and Outline Visibility								*	
Create and Edit Tunnel Shapes									*
Create Tunnel Corridors									*
Create Setout Points									*
Render Designed Tunnel Mesh									*
Custom As-Built Tunnel Reports									*
Tunnel Geometry Reports									*
Import from Trimble Access Tunnels									*
Export to Trimble Access Tunnels									*