



Trimble® RealWorks® Software Edition Comparison

Data Import and Basic Management	Viewer	BASE	ADV	ADV-MOD	ADV-TANK
Imports / exports of data		✓	✓	✓	✓
Coordinate frame (UCS) creation tool		✓	✓	✓	✓
Scan explorer	✓	✓	✓	✓	✓
Visualization tools (examination, etc)	✓	✓	✓	✓	✓
Sampling		✓	✓	✓	✓
Segmentation		✓	✓	✓	✓
Measurement	✓	✓	✓	✓	✓
Clipping box extraction tool		✓	✓	✓	✓
RealColor (panoramic image matching tool)		✓	✓	✓	✓
Point cloud auto-classification			✓	✓	✓

Data Registration/ 3D Point Cloud	Viewer	BASE	ADV	ADV-MOD	ADV-TANK
Registration incl. target extraction & analysis		✓	✓	✓	✓
Bundle adjustment		✓	✓	✓	✓
Orientation tool		✓	✓	✓	✓
Geo-referencing		✓	✓	✓	✓
Registration reporting and station visualization		✓	✓	✓	✓
Registration visual check	✓	✓	✓	✓	✓
Generate registration report	✓	✓	✓	✓	✓

2D and 3D Deliverables	Viewer	BASE	ADV	ADV-MOD	ADV-TANK
Cutting plane	✓	✓	✓	✓	✓
Feature coding		✓	✓	✓	✓
Contouring		✓	✓	✓	✓
2D easy line		✓	✓	✓	✓
Polyline drawing tool		✓	✓	✓	✓
Basic geometry fitting tool		✓	✓	✓	✓
Image matching		✓	✓	✓	✓
Key plan creation		✓	✓	✓	✓
Image rectification tool		✓	✓	✓	✓
Ortho projection tool		✓	✓	✓	✓
Mesh creation / editing		✓	✓	✓	✓
Volume calculation tool		✓	✓	✓	✓
Media tools		✓	✓	✓	✓

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Advanced Registration	Viewer	BASE	ADV	ADV-MOD	ADV-TANK
Target-less registration			√	√	√
Auto-register using planes			√	√	√
Refine registration using scans		√	√	√	√
Station setup			√	√	√
Import and register wizard			√	√	√

Advanced 3D Deliverables and Inspection	Viewer	BASE	ADV	ADV-MOD	ADV-TANK
Profile / cross section			√	√	√
Multi ortho projection			√	√	√
Easy profile			√	√	√
Profile matcher tool			√	√	√
2D inspection tool			√	√	√
Inspection map analyzer			√	√	√
Surface to model inspection tool			√	√	√
Twin surfaceinspection			√	√	√
3D inspection tool			√	√	√
3D inspection analyzer			√	√	√
Catenary drawing tool			√	√	√
FF / FL analysis			√	√	√
Floor inspection			√	√	√

Vertical applications	Viewer	BASE	ADV	ADV-MOD	ADV-TANK
Vertical storage tank calibration			√	√	√
Vertical storage tank inspection					√
Horizontal storage tank calibration					√
Tank secondary containment					√
Tank setup					√

3D CAD Model Generation	Viewer	BASE	ADV	ADV-MOD	ADV-TANK
Modeling tools				√	√
Easy pipe				√	√
Steel beam modeling				√	√
Steel catalog				√	√
Auto-Extract Cylinders				√	√
Geometry Visual Check				√	√
PDMS export				√	√
Center lines export				√	√
SketchUp® Pro link			√	√	√

Collaborate and Share	Viewer	BASE	ADV	ADV-MOD	ADV-TANK
Publisher			√	√	√
Video creator		√	√	√	√