

COMPARE ARTEC STUDIO

	Artec Studio version		
	13	12	11
EASY 3D SCANNING			
3D Radar mode	•		
Scan black, shiny, fine objects	Automated sensitivity for easy scanning and best results	Automated sensitivity for easy scanning and best results	Manual sensitivity control
Texture and geometry tracking	•	•	•
FAST, AUTOMATIC PROCESSING FEATURES			
Autopilot: automatic post-processing pipeline	•	•	•
Support of large datasets	Up to 500 million polygons	Up to 50 million polygons	Up to 50 million polygons
Global registration: Object range	Up to 250% greater than AS12		
Global registration: Speed	Up to 20 times faster than AS11	Up to 10 times faster than AS11	
Global registration: Settings	Customizable for greater accuracy or speed		
Fine registration	Up to 50% faster		
Base removal	Smart	Smart	Basic
Auto-Align: texture + geometry based	•	•	•
Fast mesh simplification	•	•	•
ADVANCED 3D PROCESSING. ABSOLUTE CONTROL.			
X-Ray mode	•		
Max Error mode	Enhanced for easy scan data inspection	•	•
DAZZLING VISUALS			
Geometry rendering	High detail	Glossy	Basic
Texture rendering	High detail	Glossy	Basic
Optimized raw data rendering	•		
Smooth rendering of 3D models	Up to 500 million polygons		
LARGE DATA MANAGEMENT			
Smart render for large data	•		
Smart memory management for smoother processing	•	•	•
Project compression tool	Ultra-compact	Ultra-compact	Basic
INTUITIVE EDITING TOOLS			
Inverse selection	•		
Plane rotation tool	•		
Auto texture correction	•	•	•
Texture healing brush	•	•	•
Defeature Tool, Eraser and Lasso	Improved	•	•
ERGONOMICS			
3D rotation cube	•		
3Dconnexion 3D mouse compatibility	•	•	•
UI design	New and improved	New	
Hints and hotkeys	•	•	•
MEASUREMENT TOOLS			
Linear, geodesic, sections, distance maps, volume, annotations, CSV, DXF, XML export	Upgraded measurement tools, including export of non-closed contours	•	•
Export mesh square and mesh volume	•	•	•
DIRECT SCAN TO CAD			
Direct export to Design X	•	•	•
Direct export to SOLIDWORKS	SOLIDWORKS 2014–2018	SOLIDWORKS 2014-2017	SOLIDWORKS 2014-2016
EXPORT FORMATS			
Full range of export 3D formats	OBJ, PLY, WRL, STL, BTX, PTX, AOP, ASCII, Disney PTEX, E57, XYZRGB	OBJ, PLY, WRL, STL, AOP, ASCII, Disney PTEX, E57, XYZRGB	OBJ, PLY, WRL, STL, AOP, ASCII, Disney PTEX, E57, XYZRGB
HARDWARE SUPPORT			
3rd party sensor support	Ultimate Edition: Microsoft Kinect, ASUS XTion, PrimeSense, Intel RealSense F200, R200 & SR300, XYZprinting 3D scanner		
Scanning on MacOS	Artec ScanApp ^{beta} or Boot Camp	Artec ScanApp ^{beta} or Boot Camp	Artec ScanApp ^{beta} or Boot Camp
VIDEO CARD COMPATIBILITY			
NVIDIA Quadro	•	•	•
NVIDIA GeForce 400 Series or higher	•	•	•
AMD	•	•	•
Intel Series 4600 and higher	•	•	•