

TECHNICAL SPECIFICATIONS

EinScan Pro HD [Including Solid Edge SHINING 3D Edition]

Scan Mode	Handheld HD Scan	Handheld Rapid Scan	Fixed Scan with Turntable (with Add-on: Industrial Pack)	Fixed Scan without Turntable (with Add-on: Industrial Pack)
Scan Accuracy	up to 0.045 mm	up to 0.1 mm	0.04 mm (Single Shot Accuracy)	
Volume Accuracy[1]	0.3 mm/m (Markers Alignment)	0.3 mm/m (Markers Alignment)	/	/
Scan Speed	10 frames/s 3,000,000 points/s	30 frames/s 1,500,000 points/s	Single Scan < 0.5 s	
Point Distance	0.2 mm-3 mm	0.25 mm-3 mm	0.24 mm	
Single Scan Range	209*160mm-310*240mm			
DOF	±100 mm			
Working Center Distance	510 mm			
Light Source	LED			
Align Mode	Marker Alignment, Feature Alignment [2], Hybrid Alignment [3]	Marker Alignment, Texture Alignment [4], Feature Alignment, Hybrid Alignment	Turntable Coded Targets, Feature, Marker, Manual Alignment	Marker, Feature, Manual Alignment
Texture Scan	Yes (with Add-on: Color Pack)			
Outdoor Operation	Set up the shelter or cover to avoid direct sunlight			
Special Scan Object	For the transparent or highly reflective objects, please spray powder before scanning.			
Software Included	ExScan Pro, Solid Edge SHINING 3D Edition			
Data Format	OBJ, STL, ASC, PLY, P3, 3MF			
Scan Head Weight (include a USB cable)	1.13 kg			
OS System Support	Win10, 64bit			
Recommended Configuration	Graphics card: NVIDIA GTX1080 and higher; video memory: >4G, processor: I7-8700, memory: 64G; interface: high-speed USB 3.0			
Required Configuration	Graphics card: Quadro card P1000 and above or NVIDIA GTX660 and higher; processor: Intel (R) xeon E3-1230, Intel (R) I5-3470, Intel (R) I7-3770; interface: high-speed USB 3.0; memory: 8G			

[1]. Volumetric accuracy refers to the relationship between 3D data accuracy and object size; the accuracy is reduced by 0.3mm per 100cm.

The conclusion is obtained by measuring the center of sphere under marker alignment.

[2]. Select this alignment when scanning objects with rich geometrical features on the surface.

[3]. Hybrid alignment means marker alignment and feature alignment can be switched automatically.

[4]. This alignment needs Color Pack assisting, and requires rich color texture information on the surface of the object.

SHINING 3D reserves the right to explain any alteration of the specifications and pictures. Please refer to einscan.com to find more information.