



EinScan Pro HD Scanner



There is a 2 Week Lead Time on this Product

Improves the Efficiency of High-quality 3D Modeling

Inherited multi-functional and modular design of EinScan Pro series handheld 3D scanner, EinScan Pro HD delivers unparalleled performance in capturing high resolution and accuracy by handheld scanning. Exceptional versatility and powerful optimizations come together for the ultimate high-efficiency and professional-grade 3D scanning experience. It is reliable assistant for designers and engineers who care about high quality 3D modeling.

- Impressive high resolution for fine details
- Handle dark and casting metal surface with less limitations
- Fast scan speed for high efficiency

Impressive High Resolution for Fine Details

By adopting a new structure light projection modular, the stripe pattern scanning which was traditionally used in Fixed Scan Mode is now utilized to Handheld HD Scan Mode. By 0.2mm minimum point distance setting with optimized algorithm, it brings high resolution and accuracy in handheld scanning as good as under fixed scan.



By Handheld HD Mode

Less Limitations of Scan Objects

With new lighting projection hardware and software algorithm, EinScan Pro HD is capable to scan a wider range of objects of dark or black color and casting metal surface, enriching the capability for 3D scanning of materials.

By Handheld Rapid Mode

Fast Scanning Speed and Data Transmission

EinScan Pro HD has a dramatic breakthrough in scanning capability, processing up to 3,000,000 points per second under handheld scan mode, and less than 0.5s for every single frame in Fixed Scan Mode. USB 3.0 provides high speed data transmission.

By Handheld Rapid Mode

High Accuracy for High Quality 3D Modeling

By kinds of positioning methods, both scanner or objects can be moved during scanning. It delivers accuracy up to 0.04 mm in Fixed Scan Mode. Under handheld scanning mode by marker alignment, the volumetric accuracy is up to 0.045mm+0.3mm/m.

Solid Edge SHINING 3D Edition

Solid Edge

- The best transition and reuse from 2D or 3D
- Main modeling capabilities
- Sequential modeling
- Synchronous technology

- Convergent modeling

- Reverse engineering

- Design formation
- From start to finish, modeling tools to meet your needs
- Direct output of models to your 3D printer

EXSCAN PRO

EXSCAN PRO provides a brand-new UI and workflow. The 3D scan process is as simple as taking a video for either new or experienced users.

EXSCAN PRO

- Brand-new UI and Workflow
- User-Friendly Operation
- New Operation Mode Option Allows users a faster scanning experience during operation and set the resolution option afterwards during the data processing , which improves scanning efficiency.
- Simultaneous Data Display
- High Compatibility Outputs standard file formats includes STL, OBJ, PLY, ASC, 3MF and P3 (global markers file). Compatible with most mainstream software packages in the market. By saving watertight models, seamlessly connect to 3D printers for 3D printing.



SHINING 3D[®] EinScan HX

- Mesh Editing Provides mesh editing such as clean, hole filling, data simplification, smoothing, sharpen etc. [Technical Specification](#)

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)	0.04 mm(single shot accuracy)
Volumetric Accuracy*	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 <0.5s	Single Scan <0.5s
Point Distance	0.2 mm-3 mm	0.25 mm-3 mm	0.24 mm	0.24 mm
Single Scan Range	209*160 mm€”€”310*240 mm			
Depth of Field	±100 mm			
Working Distance	510 mm			
Light Source	LED			
Align Mode	Markers Alignment Feature Alignment[2], Hybrid Alignment[3]	Markers Alignment, Texture Alignment[4], Feature Alignment, Hybrid Alignment	Turntable Coded Targets, Feature, Markers, Manual Alignment	Markers, Feature, Manual Alignment
Texture Scan	Yes (with Add-on: Color Pack)	Yes (with Add-on: Color Pack)	Yes (with Add-on: Color Pack)	Yes (with Add-on: Color Pack)
Outdoor Operation	Set up the shelter or cover to avoid direct sunlight			
Special Scan Object	For the transparent, highly reflective or some dark objects, please spray powder before scanning			
Software Included	ExScan Pro, Solid Edge SHINING 3D Edition			
Output Formats	OBJ; STL; ASC; PLY; P3 ; 3MF			
Scanner Body Weight	1.13kg (include the USB3.0 cable)			
Supported OS	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			