

3Dscan EX Intelligent Colorful 3D Scanner

3Dscan EX intelligent colorful 3D scanner has both the Speckle Projection and Raster Projection scanning modes, which is suitable for scanning a variety of objects, handheld scanner is for big & middle size and fixed scanner is for smaller objects. Resolution is up to 0.1mm, and accurate scanning can be achieved with the high speed of 550,000 times/s. Whole scanner weighs 0.56kg, small and portable.



Features:

Double Scanning Mode	Rapid & Precise Scanning	Lifelike Color
Both Speckle Projection and Raster Projection scanning modes are available.	Images can be captured at a speed of 550,000 times/s with an accuracy of up to 0.1 mm and be processed simultaneously.	Information of object shape and texture can be captured simultaneously, scanning data is true and lifelike.
Multiple Applications	User Friendly	High Resolution
A variety of objects can be scanned, handheld scanner is for big & middle size and fixed scanner is for smaller objects.	The moving object is scanned in real-time 3D video mode, and the picture is automatically aligned in real time.	The scanned data has clear details with a resolution of up to 0.1mm.
0 Mark	Light and Portable	Human Safe
You don't need to do any mark up on the object, turn on the scanner, and that's it.	Whole scanner is 0.56kg, small, light and portable.	The scanner uses white LED for safe scanning of the human body.

Models & Parameters



Model	3Dscan EX	
Scanning Mode	Handheld Scanning	Fixed Automatic Scanning
Projection Mode	Speckle Projection	Raster Projection
Accuracy	up to 0.1 mm	up to 0.05 mm
Volume Accuracy	0.3 mm/m	Not applicable
Scanning Efficiency	550,000 times/s	Single scan time < 2s
Resolution	0.1 mm	0.1 mm
Recommended Object Size	0.15 - 4.00 m	0.03 - 0.25 m
Colors	24BPP	
Reference Distance	400 mm	
Focus Depth	200 mm	
Single Scan Range	250 × 185 mm	
Light Source	White light LED	
Texture Mapping Accuracy	1 Pixel	
Transmission	USB 3.0/2.0	
System Support	Win7 (64bit)、Win10 (64bit)	
Weight	0.56 kg	
Dimension	280 × 130 × 50 mm	
Operation Temperature	-20 ~ 40 ° C	
Operation Humidity	10 ~ 90%	
Output Format	.stl, .obj, .wrl, .ply, .txt, .xyz, .asc, etc., customizable	
Compatible software	3D Systems (Geomagic Solutions), InnovMetric Software (PolyWorks) Dassault Systemes (CATIA V5 & SolidWorks), PTC (Pro/ENGINEER) Siemens (NX & Solid Edge), Autodesk (Inventor, Alias, 3ds Max, Maya, Softimage)	

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