SHINING 3D®

Transcan C

A Professional 3D Scanner for Diverse Industries

- Ready-to-Use Dual Scan Range
- Multi-resolution fusion
- 12 MP professional color cameras

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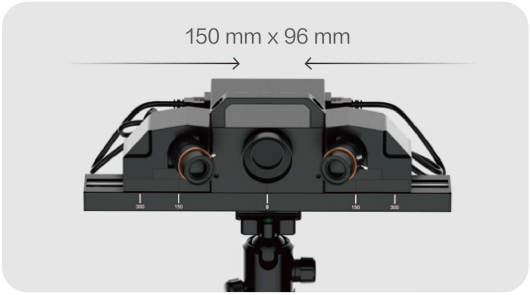
SHINING3D developed the Transcan C as a professional-grade 3D scanner capturing exceptionally high resolution and accurate scans of objects from small to medium size for a great variety of industries. In addition, the 12 MP cameras produce rich and detailed textured 3D model, giving an intuitionistic image of the physical object.

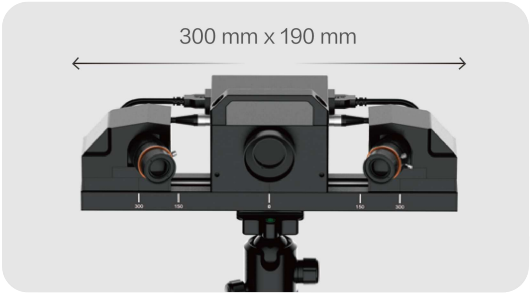
- Adjustable scanning range to meet various object scanning needs.
- Smoothly shift between 3 levels of resolution in one project to create great detail with high efficiency.
- 12 MP professional color cameras provide rich and detailed color texture 3D model.

Ready-to-Use Dual Scan Range

The slide-rail design enables an easy switch of the scanning range between 150 mm x 96 mm and 300 mm x 190 mm meeting the needs of scanning objects of different sizes effectively.



Inner Smaller Field of View
for scanning small objects



Outer Larger Field of View
for scanning medium large objects

Multi-Resolution Fusion

The Multi-Resolution Fusion Algorithm allows a mixture of 3 levels of resolution of high, medium or low in one project for complex scanning tasks, which highly improves efficiency without duplication of work.

12
MEGA PIXELS

High Color Fidelity

Two 12 MP professional color cameras are installed to capture a detailed 24-bit color map, replicating the authentic color of the physical object. Transcan C is the ideal solution to capture color 3D data for virtual display.

Object size (Li Ning-Sports Shoes):
300 mm × 118 mm × 148 mm

Object size (Vase):
170 mm × 169 mm × 188 mm

Object size (FENDI-Handbag):
295 mm × 133 mm × 159 mm

· Scan the QR code to view the scan data online.

*The color texture scan data on this page are all scanned in the light box

≤
0.05
mm

High-Accuracy Scan Data

The compact design scanner produces high accuracy of 0.035 mm at its inner position, and of 0.05 mm at its outer position. These results are valuble to many applications for measurement.

0.0375
mm

Micro Details Reproduction

The minimum point distance can reach 0.0375 mm (resolution) to reproduce fine details on the surface in its inner position of 150 mm x 96 mm.

Object size
(The Stupa Hin-Bronze Ware):
150 mm× 80 mm × 210 mm

Object size (Carving-Elephant):
176 mm × 115 mm × 234 mm

· Scan the QR code to view the scan data online.

AUTO

Intelligent Operation

The scanning process is fully automatic with the turntable. Combined with the scanning software's stitching algorithm, this ensures the efficient acquisition of 3D data without manual intervention.

The software interface guides the user through a simple operation process while providing powerful tools for the hustle-free optimization of the scan results.

Object size (Tmall Elves-Minions Sound):
151 mm × 66.5 mm × 70 mm

· Scan the QR code to view the scan data online.

TECHNICAL SPECIFICATION

Transcan C

Light Source	White LED Light	
Calibration Mode	Manual calibration	
Scan Mode	Structured-light scan with automatic turntable	
Scan Range	150 mm x 96 mm	300 mm x 190 mm
Single Shot Accuracy	0.035 mm	0.05 mm
Scan Speed	<70 s (8 scans/turn without texture); <3 s (single frame without texture)	
Texture Color	RGB 24-bit color	
Texture acquisition method	Fully automatic soft light shooting	
Texture Map	12 mega pixels, high fidelity color	
Align Mode	markers alignment; feature alignment; manual alignment	
Working Distance	260 mm	480 mm
Point Distance	0.0375 mm; 0.075 mm; 0.114 mm	0.075 mm; 0.154 mm; 0.23 mm
Data Format	OBJ, STL, ASC, PLY,3MF	
Working Temperature	Indoor, room temperature	
System	Win10; 64-bit	
Recommended Computer Configuration	Graphics card: NVIDIA GTX/RTX series cards, higher or equal to GeForce GTX 1060; Video memory: ≥4 G; Processor: I7-8700; Memory: 32 GB	
Size	Host module: 332 mm x 110 mm x 142 mm (bare machine size) Tripod components: 475 mm x 120 mm x 120 mm (bare machine size) Turntable module: 320 mm x 320 mm x 68 mm (bare machine size)	
Weight	Host module: 2.7 KG (net weight)Tripod assembly: 2.2 KG (net weight) Turntable module: 2.1 KG (net weight)	
Maximum Turntable Load-Bearing Capacity	≤10 KG	

Notice: SHINING 3D reserves the right to explain any alteration of the specifications and pictures.

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(For Internal Training)

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