

Transcan C

A Professional 3D Scanner for Diverse Industries

- Ready-to-Use Dual Scan Range
- Multi-resolution fusion
- 12 MP high-resolution color camera

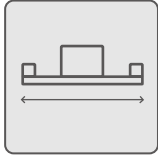




Transcan C

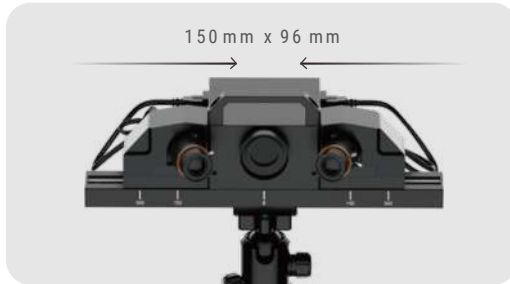
SHINING 3D developed the Transcan C as a professional-grade 3D scanner capturing exceptionally high resolution and accurate scans of objects from small to medium size for a great variety of industries. In addition, the 12 MP cameras produce rich and detailed textured 3D models, giving an intuitionistic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



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**



High Resolution



Low Resolution



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

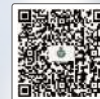
Two 12 MP color cameras are installed to capture a detailed 24-bit color map, replicating the authentic color of the physical object. Transcan C is the ideal solution to capture color 3D data for virtual display.



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



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



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



Object size (Bandai-Saiyan Figure):
296 mm × 173 mm × 188 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

\leq
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 valuable 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

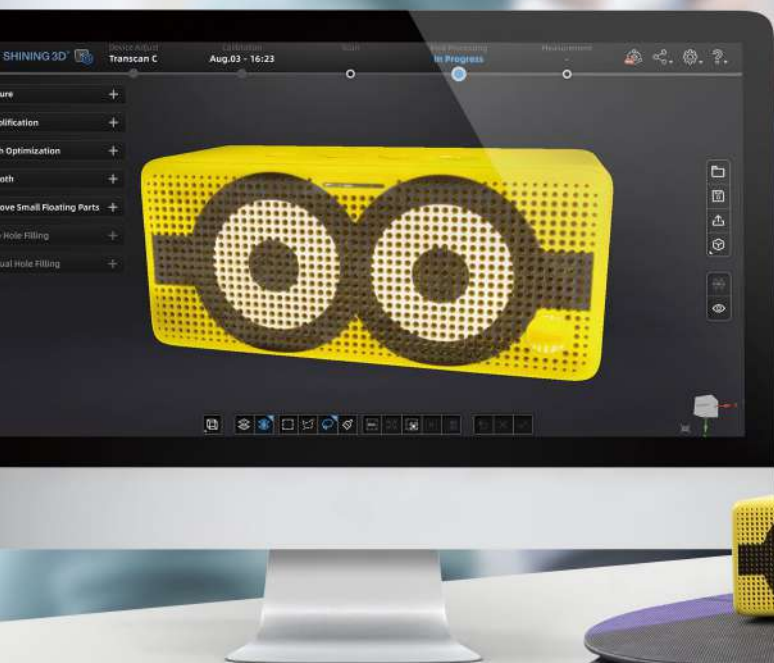
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AUTO

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 Light LED	
Calibration Mode	Manual calibration	
ScanMode	Structured-light scan with automatic turntable	
ScanRange	150 mm x 96 mm	300 mm x 190 mm
Single Shot Accuracy	0.035mm	0.05mm
ScanSpeed	<70 s (8 scans/turn without texture); <3 s (single frame without texture)	
TextureColor	RGB 24-bit color	
Texture acquisition method	Fully automatic soft light shooting	
Texture Map	12 mega pixels, high fidelity color	
Align Mode	Automatic Turntable Mode: markers alignment, feature alignment, manual alignment Free Scanning Mode: markers alignment; feature alignment; manual alignment	
Working Distance	260mm	480mm
Point Distance	0.0375 mm ; 0.075 mm ; 0.114mm	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	CPU: Intel Core i7 9850H - Memory: 32GB or higher Graphics card: NVIDIA RTX 2060 or higher with 6GB Memory or better	
Size	Host module: 484 mm x 172 mm x 110mm (bare machine size) Tripod components: 820 mm x 170 mm x 170 mm (bare machine size) Turntable module: 300 mm x 300 mm x 70 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 Load-Bearing	Turntable Capacity	≤10KG

Authorized Reseller:

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 COMPETENCE IN 3D SCANNING