

Toucan

3D SCANNER



THE ALL-IN-ONE 3D SCANNER

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The All-in-One 3D Scanner



From desktop figurines to life-size sculptures, Toucan lets you scan, edit, and fuse complete 3D models

— all without a computer. Everything happens inside the device.

Next-Level Precision & Adaptability

High-Power Blue-Light MEMS Projector 3D SCANNER

Precision Upgrade: Electromagnetic drive with 0.005 mm repeatability, 10× higher than electrostatic systems.

Dual Power Modes: Class 1 (eye-safe) & Class 3R (for dark materials), maintaining high precision even at higher power.



High-End Hardware

8-Core CPU + 32GB RAM



Smooth handling of massive point clouds without lag.

Up to 120 minutes of continuous scanning on a single charge.

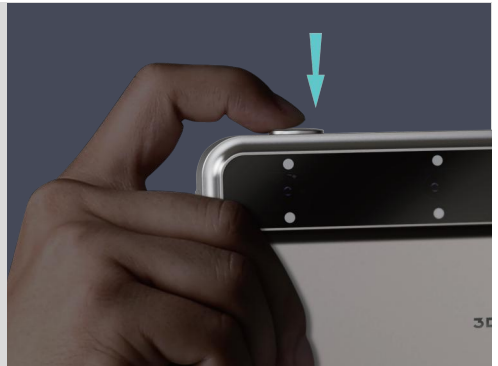
Ergonomic Scroll Wheel Design



Make scanning adjustments effortless, whether it's adjusting scanning parameters, mode selection, model scaling, etc. Solving them all through the scroll wheel without occupying screen position.

Shortcut Button

Designed for quickly start, pause and stop scanning, also acting as a photography mode shutter.



6,600 mAh

Supports 50W fast charging: 80% charging in 30 minutes, providing 2-hour continuous working.





3DMAKERPRO

Performance Parameters:

Toucan

Scan Type	Continuous Handheld Scan/ Photo Scan / Table Scan
Camera	4 Cameras + 48 MP RGB
Light Source	Blue Structured Light, Blue LED Flash, White LED Flash
Accuracy & Resolution	Single-Frame Accuracy: $\leq 0.03\text{mm}/0.1\text{mm}$ (Near/Far) Resolution: $\leq 0.05\text{mm}/0.1\text{mm}$ (Far/Far)
Scanning Range	Working Distance: 200–1000 mm Minimum Scan Volume: 10×10×10 mm Maximum Scan Volume: 4000×4000×4000 mm
Scan Speed	Up to 15 fps
CPU	8-core 2.4 GHz CPU + Mali-G52 GPU
Memory/Built-in Storage	32 GB DDR4 / 256 GB eMMC
Battery	6600 mAh
Connectivity	Wi-Fi 6, Bluetooth4.1, Interface: USB-C
Sensors & Interaction	Position Sensor: 9-axis IMU Tracking Method: Features/Markers/Global Markers Button: 2 Scroll Wheel : 1
Volume	200×93×37.5mm
Weight	735g

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