

SIMSCAN - E

The SIMSCAN-E is an intelligent, wireless, and palm-sized 3D scanner that combines a lightweight design with exceptional performance. Featuring advanced edge computing and wireless data transfer, it sets a new standard for flexible, wireless and free 3D scanning.

With robust algorithm and high-definition industrial cameras, SIMSCAN-E can capture 3D data with remarkable precision and efficiency, measuring up to 6.3 million measurements/s. It boasts three scanning modes, ultra-fast, hyperfine, and deep hole. This versatility allows it to handle a wide range of tasks effortlessly, from scanning in tight spaces to measuring complex structures.





Compact and Wireless

SIMSCAN's full-metal housing is featured by compact size and streamlined design. Weighted only 600 g and sized 203 × 80 × 44 mm, SIMSCAN portable 3D scanner brings unparalleled simplicity for scanning with one hand.



Fast, Smooth, and Efficient

Thanks to its advanced algorithm, SIMSCAN-E delivers a high measurement rate of 6.3 million measurements/s. Coupled with 81 blue laser lines and a 180-FPS frame rate, it ensures efficient and smooth scanning experiences.

Technical Specifications

Type		SIMSCAN-E
Scan mode	Ultra-fast scanning	63 blue laser lines (Triple Cross Technology)
	Hyperfine scanning	17 blue parallel laser lines
	Deep hole scanning	1 extra blue laser line
Accuracy ⁽¹⁾		0.020 mm
Scanning rate up to		6,300,000 measurements/s
Scanning area up to		700 mm × 600 mm
Laser class		Class II (eye-safe)
Resolution up to		0.020 mm
Volume accuracy ⁽²⁾	Standard	0.015 mm + 0.035 mm/m
	Paired with MSCAN-L15	0.015 mm + 0.012 mm/m
Stand-off distance		300 mm
Depth of field		550 mm
Output formats		.stl, .obj, .ply, .asc, .igs, .txt, .mk2, .umk and etc.
Dimensions		203 mm × 80 mm × 44 mm
Weight		600 g
Operating temperature range		-10°C–40°C
Operating humidity range (non-condensing)		10-90% RH
Interface mode		USB3-B
Patents		CN204329903U, CN104501740B, CN204854633U, CN204944431U, CN204902788U, CN105068384B, CN105049664B, CN204902784U, CN204902785U, CN106403845B, CN110030946B, CN212300269U, CN211904059U, CN211696268U, CN306053019S, CN212606697U, CN306321502S

(1) ISO 17025 accredited: Based on VDI/VDE 2634 Part 3 standard and JJF 1951 specification, probing error (size) (PS) performance is evaluated.

(2) ISO 17025 accredited: Based on VDI/VDE 2634 Part 3 standard and JJF 1951 specification, sphere spacing error (SD) performance is evaluated.

*Our company reserves the right to interpret and modify the parameters and images in this manual within the scope of law.

