

FreeScan Combo+ Wireless

Wireless Hybrid Light Source Metrology Handheld 3D Scanner

Go Wireless. Inspect Boundless.



Wireless & Portable



Certified Metrology Accuracy



Built-in Video Photogrammetry (VPG)



Five Scan Modes



Faster with Higher Performance



Inspect Ready Workflow



True Wireless Mobility

Cut the cord with next-gen Wi-Fi 7 for seamless, interference-free data transmission. The lightweight and compact design, equipped with rechargeable battery system, let you easily navigate confined spaces and complex factory floors without interruption.



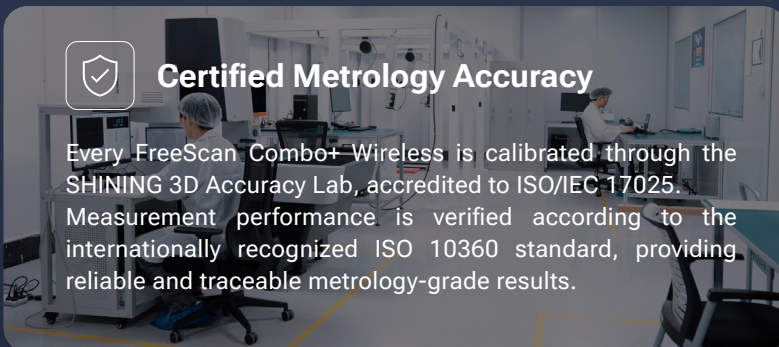
Built-in Video Photogrammetry (VPG)

Integrated patented Video Photogrammetry (VPG) continuously optimizes the spatial position of reference markers during scanning, minimizing cumulative errors and maintaining reliable volumetric accuracy—even for large components.



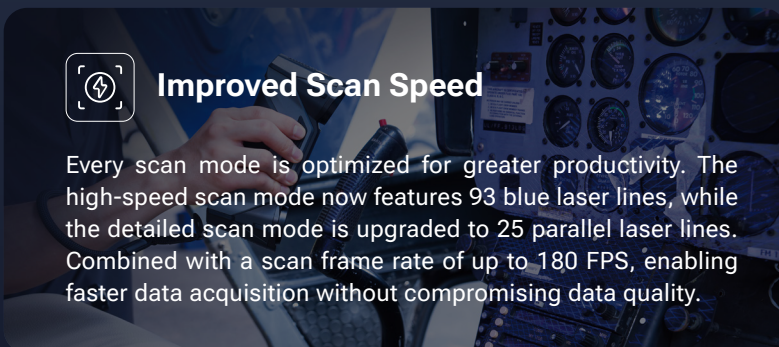
Certified Metrology Accuracy

Every FreeScan Combo+ Wireless is calibrated through the SHINING 3D Accuracy Lab, accredited to ISO/IEC 17025. Measurement performance is verified according to the internationally recognized ISO 10360 standard, providing reliable and traceable metrology-grade results.



Improved Scan Speed

Every scan mode is optimized for greater productivity. The high-speed scan mode now features 93 blue laser lines, while the detailed scan mode is upgraded to 25 parallel laser lines. Combined with a scan frame rate of up to 180 FPS, enabling faster data acquisition without compromising data quality.



Inspection-Ready Workflow

Transfer scan data directly into SHINING3D Inspect with a single click for dimensional inspection, GD&T analysis, color maps, and automated reporting—creating a seamless workflow from data capture to quality control.



SPECIFICATIONS

Product	FreeScan Combo+ Wireless	FreeScan Combo Wireless
Accuracy	0.02 mm (0.0008 in)	
Volumetric accuracy	0.02 mm + 0.03 mm/m (0.0008 in + 0.0012 in/ft)	
Volumetric accuracy with VPG	0.02 mm + 0.015 mm/m (0.0008 in + 0.00018 in/ft)	
Scan speed	Up to 9,106,000 points/s	Up to 7,344,000 points/s
Max. FOV	580 x 650 mm (22.8 x 25.6 in)	
High-speed scan	Included (93 laser lines) VCSEL	Included (50 laser lines) VCSEL
Detailed scan	Included (25 parallel laser lines)	Included (25 parallel laser lines)
Deep pockets scan	Included (1 laser line)	Included (1 laser line)
Working distance	300 mm (11.81 in)	
Connection standard	Wi-Fi 7/USB 3.0	
Dimension	189 x 81 x 53 mm (7.44 x 3.18 x 2.08 in)	
Net weight	550 g (1.212 lb)	
Working temperature	-10 ~ 40 °C (14 ~ 104 °F)	
Working humidity	10 ~ 90 %	
Certifications	CE, FCC, ROHS, WEEE, KC, FDA, UKCA, IP50,TELEC, TiSAX	
Acceptance test	ISO 10360 Certified (Tested in the ISO/IEC 17025 Accredited Accuracy Lab)	
Recommended computer configuration	OS: Windows 10 Pro (64-bit) / Windows 11 Pro (64-bit); Processor: Intel® Core™ Ultra 9 Processor 275HX or above Graphics Card: NVIDIA GeForce RTX 5080 Laptop GPU or above Video Memory: 12G or above; RAM: 64G or above, DDR5 dual-channel; Interface USB 3.0	OS: Windows 10 Pro (64-bit) / Windows 11 Pro (64-bit); Processor: Intel® Core™ Ultra 9 Processor 275HX or above; Graphics Card: NVIDIA GeForce RTX 4070 Laptop GPU or above Video Memory: 12G or above; RAM: 64G or above, DDR5 dual-channel; Interface USB 3.0"

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