

KSCAN - E

The flagship KSCAN-E is an intelligent, wireless, and all-in-one 3D scanner designed to redefine industrial measurement with unmatched precision and efficiency. Whether scanning large surfaces or fine details, its 6 operating modes ensure full-field and high-quality data capture. With a built-in computing module and dual power system, it delivers seamless, wireless operation for maximum flexibility in any environment.

With an accuracy up to 0.020 mm, the KSCAN-E meets the demands of even the most challenging applications. From aerospace and automotive to heavy industry and energy, KSCAN-E delivers a precise, flexible, and intelligent 3D solution, making everything from design verification to quality control smarter and more efficient.



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KSCAN-E Technical Specifications

Scan mode	Ultra-fast scanning	108 blue laser lines (Quad Cross Technology)
	Hyperfine scanning	17 blue parallel laser lines
	Large area scanning	38 infrared laser lines
	Deep hole scanning	1 extra blue laser line
	Hole & edge inspection	Smart edge inspection
	Photogrammetry	Adaptive photogrammetry
Accuracy ⁽¹⁾		0.020 mm
Volumetric accuracy ⁽¹⁾	Standard	0.015 mm + 0.030 mm/m
	Adaptive photogrammetry ⁽²⁾	0.015 mm + 0.015 mm/m
	Paired with MSCAN-L15	0.015 mm + 0.012 mm/m
Shape Error ⁽¹⁾	Sphericity	0.030 mm
	Flatness	0.050 mm
Scanning rate up to		8,290,000 measurements/s
Scanning area up to		1440 mm × 1000 mm
Working distance	Large area scanning	600 mm – 1500 mm (Stand-off distance 900 mm)
	Ultra-fast scanning	200 mm – 700 mm (Stand-off distance 320 mm)
	Hyperfine scanning	150 mm – 300 mm (Stand-off distance 220 mm)
Object size		0.050 m – 8 m
Laser class		ClassII (eye-safe)
Resolution up to		0.010 mm
Dimension		344 mm × 124 mm × 99 mm
Connection	Interface mode	USB3.0 Type-B
	Wireless standard	Wi-Fi 6, 802.11a/b/g/n/ac
	Wireless connection	Support Dual WNIC
	Intelligent and wireless mode	Support
	Uninterrupted Power Supply	Support
Environment Adaptability	Operating environment	Fanless, suitable for workshop environments
	Operating temperature range	-10°C – 40°C
	Operating humidity	10 – 90% RH
	Protection rating	IP50
Patent		CN204329903U, CN104501740B, CN104165600B, CN204988183U, CN204854633U, CN204944431U, CN204902788U, CN105068384B, CN105049664B, CN204902784U, CN204963812U, CN204902785U, CN204902790U, CN106403845B, CN209197685U, CN209263911U, CN106500627B, CN106500628B, CN206132003U, CN206905709U, CN107202554B, CN209310754U, CN209485295U, CN209485271U, CN305446920S, CN209991946U, US10309770B2, KR102096806B1, KR102209255B1, US10914576B2, CN113470180B, CN113218417B, CN113063370B, CN218411073U, CN113310427B, CN113074659B, CN218772495U, CN113473034B, CN115830249B, CN219829786U, CN116206069B

(1) ISO 17025 accredited: Performance is evaluated based on JJF1951 specification, VDI/VDE 2634 Part 3 and ISO 10360-13 standard.

(2) Paired with 800-mm high-precision scale bar.

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

