

KSCAN - X

Powered by SCANOLOGY's advanced wireless technology and adaptive photogrammetry, the KSCAN-X is an intelligent, wireless large-area 3D scanner that sets a new standard for large-scale 3D measurements.

Featuring wireless operation, ultra-wide scanning area, extended depth of field, and fast scanning, the KSCAN-X offers smooth and high-precision 3D measurements for ultra-large and large to medium-sized parts across industries such as aerospace, heavy industry, and rail transportation. Designed to boost efficiency and deliver accurate quality control, the KSCAN-X is the ultimate solution for advanced manufacturing.



KSCAN-X Technical specifications

Scan mode	Large area scanning	84 blue laser lines
	Medium-distance scanning	54 blue laser lines
	Deep hole scanning	1 extra blue laser line
	Photogrammetry	Adaptive photogrammetry
Accuracy (1)	Medium-distance scanning	0.030 mm
	Large area scanning	0.075 mm
Volumetric accuracy (1)(2)		0.075 mm + 0.010 mm/m
Scanning rate up to		6,450,000 measurements/s
Scanning area up to		2600 mm × 1800 mm
Working distance		0.30 m ~ 2.50 m
Object size		0.5 m ~ 15 m
Laser class		ClassII (eye-safe)
Resolution up to		0.1 mm
Dimension		344 mm × 124 mm × 99 mm
Stand-off distance		235 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 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.

