

Artec Spider II



Ultra-high resolution target-free
handheld 3D scanner



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Specifications



Resolution & accuracy

Resolution, up to	0.05 mm
Accuracy, up to	0.05 mm
3D accuracy over distance, up to	0.05 mm + 0.3 mm/m

Scanning range

Size of scanning object/area	S–M
Working distance	0.19 – 0.3 m
Volume capture zone	1,800 cm ³
Linear field of view H×W @ closest range	128 × 104 mm
Linear field of view H×W @ furthest range	171 × 152 mm
Depth of field	110 mm

Speed

3D reconstruction rate for real-time fusion, up to	30 fps
Data acquisition speed, up to	8 mln points/s

Scanning algorithms

Target-free technology	Yes
Hybrid geometry and texture tracking	Yes

Texture

Texture resolution	5 MP
Colors	24 bpp

Hardware

Scanner type	Handheld
Power source	AC / DC power adapter, DC 24V
Interface	Thunderbolt 3, compatible with Thunderbolt 4 hosts
3D structured-light source	450 nm LED
Texture illumination source	White LED CRI > 95, color temperature 4000 K
Dimensions HxDxW	187 × 156 × 118 mm
Weight	0.95 kg / 2.1 lbs
Warranty	2 years

Compatibility

Supported OS	Windows 10 (x64), Windows 11
Recommended computer parameters	13th or 14th Gen Intel Core i7 or i9 processors, RTX 4070 8 GB
Minimum computer requirements	12th Gen Intel Core i9 processor, RTX 4060 8 GB

Output formats

3D mesh	OBJ, PLY, WRL, STL, AOP, ASC, PTX, E57, XYZRGB
CAD	STEP, IGES, X_T
Measurements	CSV, DXF, XML

Artec Spider II is a new product, and as with all Artec products, we are continuously working to improve and enhance its performance. This ongoing development may over time lead to updates or changes in the scanner's specifications. Artec 3D reserves the right to update these specifications as we enhance the scanner's capabilities and scan quality.

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