

Artec Spider II

Ultra-high resolution handheld 3D scanner



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Technical 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 cm

Speed

3D reconstruction rate for real-time fusion, up to	15 fps
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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

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