

Artec Neo

Hybrid, wireless
metrology-grade
3D scanner

 Artec 3D

NEW!



Artec Neo

Specifications



Resolution & accuracy

Accuracy (with targets)	0.025 mm (0.001 in)
Volumetric accuracy (with targets)	0.025 mm + 0.035 mm/m (0.001 in + 0.0014 in/ft)
Accuracy (without targets)	0.050 mm (0.002 in)
Volumetric accuracy (without targets)	0.050 mm + 0.3mm/m (0.002 in + 0.036 in/ft)
Mesh resolution	0.050 mm (0.002 in)
Acceptance test	VDI/VDE 2634 part 3*

Scanning range

Size of scanning object/area	S – M
Working distance	0.19 – 0.3 m (7.48 – 11.81 in)
Volume capture zone	1,800 cm ³ (109.84 in ³)
Linear field of view H×W @ closest range	128 × 104 mm (5.04 × 4.09 in)
Linear field of view H×W @ furthest range	171 × 152 mm (6.73 × 5.98 in)
Depth of field	110 mm (4.33 in)

Speed

3D reconstruction rate for real-time fusion, up to	15 fps
Data acquisition speed, up to	8 mln points/s

Scanning algorithms

Target compatibility	Yes
Target-free geometry and texture tracking	Yes
Hybrid (target & target-free 3D scanning) mode	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, blue LED
Texture illumination source	White LED CRI > 95, color temperature 4000 K
Dimensions HxDxW	187 × 156 × 118 mm (7.36 × 6.14 × 4.65 in)
Weight	1.3 kg / 2.9 lbs (with batteries)
Warranty	2 years

Compatibility

Supported OS	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

* Testing is carried out in Artec's metrology lab, operating according to ISO/IEC 17025 principles.

Artec Neo is a new product and it's continuously being improved, so its specification may change over time. Artec 3D reserves the right to update these specifications.

Ready to see Artec Neo on your site?

Learn more about Artec Neo
www.artec3d.com

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