Artec Neo

Manufacturer: Artec 3D

Artec Neo is a handheld wireless 3D scanner with hybrid tracking using markers, geometry, and texture. It allows you to combine the measurement of critical areas with markers and the scanning of other surfaces without them in a single project.

Product page: https://cad.kz/en/products/artec_neo

Specifications

RESOLUTION AND ACCURACY	
Accuracy with markers	0.025 mm
Volumetric accuracy with markers	0.025 mm + 0.035 mm/m
Accuracy without markers	0.05 mm
Volumetric accuracy without markers	0.05 mm + 0.3 mm/m
Mesh resolution	0.05 mm
Acceptance testing	VDI/VDE 2634 Part 3, ISO/IEC 17025-accredited laboratory
SCANNING AREA	
Scannable object or area size	Small and medium
Working distance	0.19–0.3 m
Capture volume	1,800 cm^3
Linear field of view H×W at near range	128 × 104 mm
Linear field of view H×W at far range	171 × 152 mm
Depth of field	110 mm
SPEED	
3D reconstruction speed during real-time fusion	Up to 15 fps
Data acquisition speed	Up to 8 million points/s
SCANNING ALGORITHMS	
Marker compatibility	да
Markerless geometry and texture tracking	да
Hybrid scanning with and without markers	да
TEXTURE	
Texture resolution	5 MP
Color depth	24 bit
HARDWARE	
Scanner type	Handheld

Power source	Power supply, 24 V DC
Interface	Compatible with Thunderbolt 4, Wi-Fi
3D structured light source	450 nm blue LED
Texture illumination source	White LEDs, CRI > 95, 4000 K
Dimensions, H×D×W	187 × 156 × 118 mm
Continuous scanning time	40–50 min
Included batteries	4
Wi-Fi range	6 m
Warranty	2 years
DESIGN	
Weight	1.3 kg with batteries
COMPATIBILITY	
Supported operating systems	Windows 11
Recommended computer specifications	Intel Core i7 or i9, 13th–14th generation, RTX 4070 8 GB
Minimum computer requirements	Intel Core i9, 12th generation, RTX 4060 8 GB
EXPORT FORMATS	
Polygonal 3D model formats	OBJ, PLY, WRL, STL, AOP, ASC, PTX, E57, XYZRGB
CAD formats	STEP, IGES, X_T
Measurement formats	CSV, DXF, XML

Supplier — CAD.kz

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IBAN	KZ248562203140498999
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BIC	KCJBKZKX

Specifications are according to the manufacturer. The configuration, delivery time and price will be confirmed by a CAD.kz manager in the commercial offer.