Artec Leo

Manufacturer: Artec 3D

Artec Leo is a handheld 3D scanner with a built-in processor, battery, and touchscreen. It captures the geometry and color of medium and large objects, allowing users to check scan coverage on the device.

Product page: https://cad.kz/en/catalog/3d_skanery/artec_leo/

Specifications

ACCURACY AND RESOLUTION	
3D point accuracy	Up to 0.1 mm
3D resolution	Up to 0.2 mm
3D accuracy over distance	Up to 0.1 mm + 0.3 mm/m
ALGORITHMS	
HD mode	Yes
Hybrid geometry and texture tracking	Hybrid, geometry and texture based
Geometry- and texture-based data processing	Geometry- and texture-based processing
Automatic background removal	Automatic background removal
FIELD OF VIEW	
Working distance	0.35–1.2 m
Capture volume	160,000 cm³
Linear field of view H×W at near range	244 × 142 mm
Linear field of view H×W at far range	838 × 488 mm
Angular field of view, H×W	38,5 × 23°
TEXTURE	
Texture resolution	2.3 MP
Photo texture support	Photo textures can be applied
Color depth	24 bit
CAPTURE SPEED	
3D reconstruction speed during real-time fusion	Up to 22 fps
3D reconstruction speed during 3D video recording	Up to 44 fps
3D reconstruction speed during 3D video streaming	Up to 80 fps
Data acquisition speed	Up to 35 million points/s

3D exposure time	0.0002 s
2D exposure time	0.0002 s
LIGHT SOURCE	
3D light source	VCSEL
2D light source	12 white LEDs
Laser wavelength	808 nm
Laser class	1
HARDWARE	
Position sensors	Built-in 9-DoF inertial system
Display and touchscreen	Built-in 5.5" touchscreen; image streamed to another device via Wi-Fi or Ethernet
Multicore processing	Built-in NVIDIA Jetson TX2: 4 ARM Cortex-A57 cores, Maxwell GPU 1 TFLOPS, 256 CUDA cores
Interface	Wi-Fi, Ethernet
Internal drive	512 GB SSD
COMPUTER REQUIREMENTS	
Supported operating systems	Scan without a computer; processing: Windows 8.1, 10 (x64), 11
Recommended computer requirements	Intel Core i7 or i9, 64 GB+ RAM, NVIDIA with 8 GB+ VRAM, CUDA 6.0+
Minimum computer requirements	HD: Intel Core i7 or i9, 32 GB RAM, NVIDIA with CUDA 6.0+ and 4 GB+ VRAM; SD: Intel Core i5, i7 or i9, 32 GB RAM, 2 GB graphics card. A computer is only needed for processing, not scanning
EXPORT FORMATS	
Polygonal 3D model formats	OBJ, PLY, WRL, STL, AOP, ASC, Disney PTX (PTEX), E57, XYZRGB
CAD formats	STEP, IGES, X_T
Measurement formats	CSV, DXF, XML
POWER SUPPLY AND DIMENSIONS	
Power source	Built-in replaceable battery; optional mains power
Dimensions, H×D×W	231 × 162 × 230 mm
DESIGN	
Weight	2.6 kg

cad.kz

Supplier — CAD.kz

Phone	+7 (7172) 578-028, +7 (771) 936-50-20
Email	office@cad.kz
Address	6/1 Pushkin St., Astana
Working hours	Mon–Fri, 9:00–18:00
Website	cad.kz
Company	Товарищество с ограниченной ответственностью «CAD.kz» (КАД.кз)
BIN	080540017610
КБЕ	17
Location	Республика Казахстан, 010000, город Астана, район Байконур, ул. Пушкина, д.6/1, ВП-1
IBAN	KZ248562203140498999
Bank	АО «Банк ЦентрКредит»
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.