

High-Precision Handheld 3D Scanner

3DeVOK MT Gen2

Quad-Light, Unlimited Precision

Quad Light, Superior Performance

Multi-light system with versatile alignment modes for complex parts.

IR Structured Light

Marker-free, larger single-frame FOV for medium to large objects

34 Cross Blue Laser Lines

Accuracy up to 0.03 mm for reverse engineering

11 Parallel Blue Laser Lines

Resolution up to 0.05 mm for fine details

1 Single Blue Laser Line

Enhanced capture of deep holes and recessed areas

0.05 m

5 m

Multi-Size, Multi-Material

Handles objects from 0.05–5 m. Optimized for challenging materials—dark, reflective, and outdoor surfaces—ensuring fast, accurate scans.

FCC CE RoHS IEC

International Certificate

Certified to multiple international standards (CE-EMC, FCC, RoHS, etc.). Each 3DeVOK MT Gen2 includes a factory calibration certificate, backed by SCANOLOGY's ISO 17025-accredited lab and internationally compliant procedures for reliable performance.

Freedom to Scan

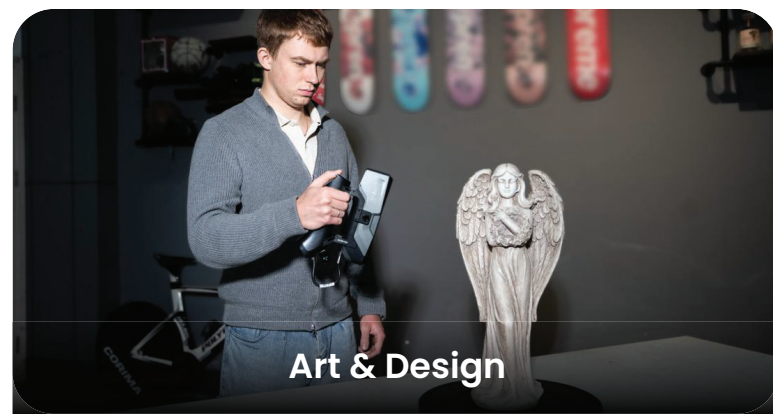
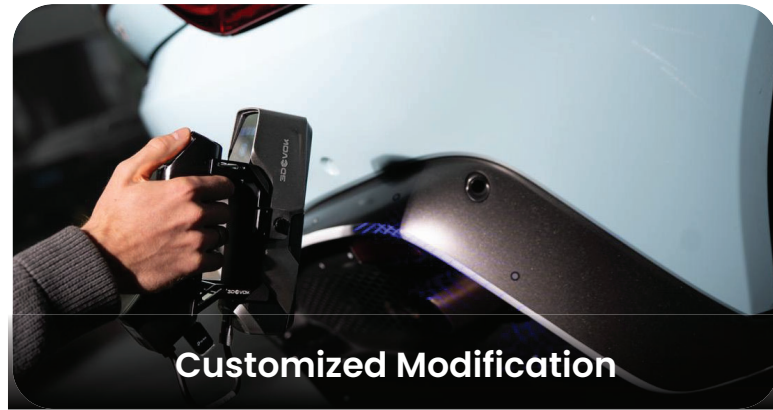
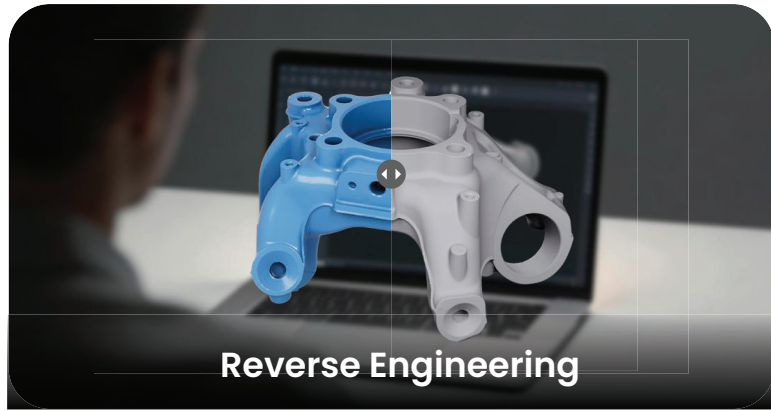
Optional 3DeVOK Airgo handle with up to 75 fps wireless transfer and dual-battery operation. Ideal for on-site, confined, and large-object scanning—professional performance made easy.

Seamless Reverse Engineering & 3D Inspection

Supports multiple formats (STL, ASC, etc) for seamless workflows. One-click export to DefiniSight MODEL for CAD modeling, Rhino for surface design, and PolyWorks for 3D inspection.



Applications



3DeVOK MT Gen2 Technical Parameter

Light Source	34 Cross Blue Laser Lines	11 Parallel Blue Laser Lines	1 Single Blue Laser Line	Infrared VCSEL Structured Light
Safety of Lasers	Class II (Eye-safe)			Class I (Eye-safe)
Basic Accuracy*	Up to 0.03 mm			
Volumetric Accuracy*	Up to 0.03 mm + 0.04 mm/m			
Point Distance	0.1-5 mm	0.05-5 mm	0.1-5 mm	0.2-5 mm
Alignment Mode	Hybrid, marker, texture, and feature alignment			Hybrid, texture, and feature alignment
Ability to Capture Texture	Yes			
Maximum Scan Distance	1,000 mm	295 mm	600 mm	1,500 mm
Focus Distance	325 mm	210 mm	325 mm	400 mm
Field of View*	140 mm × 140 mm - 490 mm × 490 mm*			50 mm × 75 mm - 1,100 mm × 1,000 mm
Scanning Frame	Up to 80 fps			Up to 30 fps
Scanning Speed	Up to 3,300,000 Points/s			Up to 4,500,000 Points/s
Output Formats	*.obj, *.stl, *.ply, *.asc, *.mk2, *.txt, *.epj, *.apj, *.spj, *.map, *.sk			
Operating Conditions	0 - 40°C, 10% - 90% RH (non-condensing)			
Interface	Support USB 3.0 wired and Wi-Fi 6 wireless transfer (Airgo wireless handle sold separately)			
Scanner Dimensions & Weight	Dimensions: 215 mm × 73 mm × 53 mm; Weight: 620 g			
Power Source	DC: 12 V, 5.0 A			
Certifications	CE-EMC, FCC, RoHS, IEC 60825, IEC 62471, WEEE, KC			
Recommended Configurations for PC	OS: Win10/Win11, 64-bit; CPU: i7-13650HX and above; RAM: 32GB and above; Graphic Card: NVIDIA discrete graphics card, NVIDIA RTX3060 and above; Graphics memory: 6GB and above			

*Cross Blue Laser Lines

*Accuracy statement: Laboratory theoretical accuracy tested; each unit comes standard with a calibration certificate.