



3D DeVOK



The Choice for Professionals
Light Up the Path to 3D Innovation

3DeVOK MQ

Professional-Grade 3D Scanner

Dual-Mode · Versatile · Marker-Free · Wireless · Invisible Scanning

Dual-mode

22-line infrared laser & infrared speckle
(Two distinct FoV)

Detailed

0.1mm resolution captures even the finest details

Accurate

Up to 0.08mm accuracy for highly detailed scans

Fast

4.5 million points per second, rivaling industrial-grade device



Marker-free

Infrared laser and speckle enable non-marker scanning

Invisible Scanning

Dual infrared light sources, invisible to the human eye, ensuring greater safety and comfort

Vivid

24-bit color + texture mapping for true-to-life colors

Wireless

Optional wireless handle for easy large-object scanning

Why Choose MQ?

Affordable and Value-Packed

Featuring 22-line infrared laser and infrared speckle (two distinct FoV) technology, MQ delivers full-size scanning from 5cm to 5m with ease, handling both indoor and outdoor scanning effortlessly.

Friendly and Professional

With a flexible scanning range of 150-1500mm, even first-time users can achieve professional results with ease.

Enhancing Education

MQ offers user-friendly software for hands-on training in fields like mechanical design, art, archaeology, and medical design.

Versatile and Reliable

MQ adapts seamlessly to diverse applications—becoming the ultimate 3D tool for 3D printing farms, design studios, and small to medium-sized businesses.

3DeVOK MQ Technical Specifications

Light Sources	22 Infrared Laser Lines (Invisible)	Infrared VCSEL Structured Light (Invisible)
Class of Lasers	Class I (Eye-safe)	
Scan Modes	Infrared Laser Lines Supports markerless and invisible-light scanning	Infrared Linear-array Structured Light (Speckle) Supports markerless scanning, invisible-light scanning, partial fine scanning, and rapid scanning at ultra-long-distance range and ultra-large FoV
Wireless Scanning	Support (with an optional handle)	
Accuracy*	Up to 0.08 mm	
Point Distance	0.1 – 5 mm	Regular Scan: 0.2 – 5 mm, Fine Scan: Up to 0.1 mm
Alignment Mode	Support hybrid, markers, texture, and geometric features alignment	Support hybrid, texture, and geometric features alignment
Ability to Capture Texture	Yes	
Scanning Distance	150 – 1,000 mm	150 – 1,500 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 70 FPS (Marker alignment)	Up to 30 FPS
Scanning Speed	Up to 2,450,000 Points/s	Up to 4,500,000 Points/s
Output Formats	*.obj, *.stl, *.ply, *.asc, *.mk2, *.txt, *.epj, *.apj, *.spj, *.map, *.sk	
The Ability for 3D Printing	Supports .stl, .obj and other formats	
Working Temperature Range	0 ~ 40 °C	
Working Humidity Range	10% – 90% RH (Non-condensing)	
Interface	USB 3.0	
Scanner Dimensions & Weight	Dimensions: 215 mm × 73 mm × 53 mm; Weight: 550 g	
Power Source	DC: 12 V, 5.0 A	
Certifications	CE-EMC, FCC, RoHS, IEC 60825, IEC 62471, IEC 60529-IP50, 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	

* The laboratory theoretical accuracy test results are subject to uncertainty errors.

Manchester Metrology Ltd

Unit 3, The Wellington Centre, Whitelands Road, Ashton-under-Lyne OL6 6UY
0161 637 8744 | manchester-metrology.co.uk

