

3DeVOK-MT 3D Professional Laser Scanner

Brand: **3DeVOK**

Product Code: **688583**



3DeVOK-MT 3D Professional Laser Scanner

The 3DeVOK MT is a Professional and Versatile 3D scanner that stands out for its exceptional performance.

Based on industrial-grade 3D scanning technology, it incorporates both lasers and speckles to offer you a magic tool. With professional scanning software, Flexible parameter settings, intuitive interaction, and reliable performance, it significantly enhances work efficiency.

It is an excellent solution for scanning objects of almost any kind, making it ideal for artistic design, reverse engineering, 3D measurement, 3D visualization, 3D printing, research, education and more.

- * High Data Quality: Accuracy reaching 0.04 mm, resolution up to 0.05 mm
- * Strong Material Adaptability: Capture black and reflective surfaces without scanning spray.
- * Fast Scanning: Frame rates up to 80 FPS while a maximum single-frame scanning area of 490 mm × 490 mm
- * Efficient Operation: Marker distance of 10-12 cm, reducing marker usage.
- * Real-time Scanning: New real-time mesh display algorithm for easy monitoring of scan results.
- * Recommended Object Size: 0.05-5m

Art Sculptures/Movable Cultural Relics

Hybrid Alignment with 34 blue laser lines & 22 infrared laser lines

Marker-free Scanning: Direct scanning of objects with rich textures or geometric features

Strong Material Adaptability: Easily handle dark, black, and reflective surfaces

Stable Lighting Adaptability: Ensure smooth data acquisition in both low light and direct sunlight

Fine Details: Resolution up to 0.1 mm

Recommended Scanning Size: 0.1- 4.0m

Applications: Suitable for 3D art design, cultural and creative product design, and digital archiving/restoration/monitoring/preservation of cultural relics

Medium to Large Objects Sculptures / Full-Body Scans

Large-area infrared speckle + partial fine scanning with 3 light sources

Powerful Alignment Capability: Large-area infrared speckle scanning covers up to 1,100 mm*1,000 mm per frame, efficiently accommodating medium to large objects

Partial Fine Scanning: Supports seamless mode switching and data integration, allowing smooth scanning of larger objects while preserving intricate details. (resolution up to 0.1 mm)

Large Depth of Field: Scanning distance from 150 to 1,500 mm enables versatile, multi-angle scanning for comprehensive data capture
Maximum Scanning Size up to 5m

Full-Body / Body Parts Scanning - Infrared speckle + geometry / hybrid alignment

Human Body Mode: Supports no-light scanning, hair capture, and automatic correction of slight movements

Eye-Safety: Class I laser compliant with IEC 60825 standards, ensuring safe operation

Exceptional Detail: Resolution up to 0.1 mm for sharp and clear details

Easy Operation: Maximum scanning area of 1,100 mm × 1,000 mm for smooth scanning

Strong Adaptability: No need for exposure adjustments, making it easy to scan dark clothing

Applications: Ideal for medical rehabilitation, artistic design, personalized customization, and more

3D Data Compatibility: Support export of formats like .asc and .stl, compatible with mainstream CAD and reverse engineering software.

Applications: CAD design, reverse engineering, automotive customization, 3D printing, virtual simulation, and more.

3 Types of Light Sources:

34 blue laser lines, 22 infrared laser lines, and large-area infrared speckle

Technical Parameters (up to):

Accuracy 0.04 mm, Resolution 0.05 mm, Scanning Speed 4,500,000 points/s, Scanning Area 1100mm * 1000mm, Scanning Distance 1500mm

Key Features:

Efficient scanning with 34 blue laser lines, Marker-free scanning with laser modes, Smart combination of large area infrared speckle and partial fine scanning, Advanced hybrid alignment, Invisible light scanning, Easy scanning for black and reflective objects without spray, Outdoor scanning.

Attachments

[3DeVOK-MT Brochure](#)

[3DeVOK Airgo Wireless Handle for MT and MQ Laser scanners](#)