
3DMAKERPRO
Owl
Imaging Laser Scanner
HIGH-DEFINITION SPATIAL DATA, EVERY CAPTURE
store.3dmakerpro.com

GLOBAL LARGE FIELD SCANNING

Scanning covers a range of 0.5-60 meters, with a 360 ° horizontal angle and a 280 ° vertical field of view. With one scan, all objects in the space can be collected, and the complete set of spatial digital parameters can be obtained, reducing the need for multiple additional scans and efficiently completing the collection of three-dimensional information across the entire area.



TRUE COLOR REALISTIC RESTORATION

Three 48 million pixel high-definition cameras work in sync with LiDAR to generate a physical 3D model of space while simultaneously recording object material, color, and light and shadow information, outputting a true color 3D scene and achieving high fidelity digital replication of physical space.



RAPID POINT CLOUD COLLECTION

Supported by powerful hardware computing power, with a single second high-speed output of 192,000 point clouds and high-density point cloud data, it can scan large-scale spaces such as factories, venues, and large buildings smoothly without lag, greatly improving the efficiency of large-scale 3D modeling.



WIRELESS REAL-TIME PREVIEW

Supports WiFi 5 high-speed connection to iPad and external servers, with real-time synchronized data transmission during the scanning process. The scanning results can be directly viewed on site, with real-time verification of data quality, reducing rework risks, and making job control more intuitive and efficient.



3DMAKERPRO



Owl Max

Owl

Performance Parameters:

Accuracy	5mm@10m
Scan radius	0.5m~60m@20%reflectivity
Scan range	Up to 120m
Scan angle (FOV)	Horizontal 360°, Vertical 280°
Point cloud frequency	192,000pts/s
Laser light source	905 nm
Eye safety level	Class 1 (IEC60825-1:2014) Eye safe
Color texture	48MP*3 / 48MP*5 camera system Supports RAW10 and HDR photography modes
HDR mode	Yes
Data interface	USB-TypeC*1
Power delivery	PD 65W USB-TypeC*1
Network support	Wi-Fi 5
Control System	iPad M1 or above
Expansion support	Various Accessories
Output format	3D Color Point Cloud PLY, E57 3D Colored Polygonal Model OBJ Panoramic Images PNG
Volume	199*139*100mm
Battery	12000mah, supports 2 hours of work, supports external power supply
Weight	1.6kg
Configuration	8 Cores 2.4GHz 4GBRam 32GB SSD (Supports TF card expansion)

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