

ACCURACY comes FIRST

OmniSLAM

Mobile SLAM

COLOR

3D Laser Scanner



Pixel-level
Texture



2 mm Point Cloud
Thickness

Auto-Modeling
of 3D Mesh Models



mm Level Accuracy of
Dynamic Scanning



R8+

OmniSLAM R8+ redefines mobile 3D capture with extreme precision and speed.
Ideal for surveying, mapping, and reality modeling.
Supports handheld, backpack and vehicle-mounted modes for any mission.

www.omni-slam.com

(R8+)

GNSS Performance

GPS	L1/L2/L5
BDS	B1I/B2I/B3I/B1C/B2a/B2b
GLONASS	G1/G2/G3
GALILEO	E1/E5a/E5b/E6
QZSS	L1/L2/L5/L6
SBAS	L1/L5
IRNSS	L5
L-band	
Temperature	-40°C~+85°C
Temperature	-55°C~+85°C
	Up to 95% RH, non-condensing

AR Hardware Specifications

Classification	Class 1 Eye Safe
	0.05 to 120 m
	32
FOV	360°
OV	31° (-16°~+15°)
second	640, 000
th	905 nm
Angle Resolution	0.18° (10 Hz)
Capability	80 m @ 10% Reflectivity

Camera Specifications

	6528 x 3264 px
Size	1"
	F2.2
	360°*360°

Equipped Software

M Capturer	Data Collection Software
M Viewer	Point Cloud Data/3DGS
	Display Software
M Mapper	Point Cloud Data/3DGS
	Solution Software
M Modeler	Automatic Modeling Software

IMU Specifications

GNSS Positioning Accuracy

Real Time Kinematic (RTK)	H: 8 mm + 1 ppm RMS
	V: 15 mm + 1 ppm RMS

Environments Temperature

Operating	-25 °C~+65 °C
Storage	-25 °C~+65 °C

*The data on this catalog is reflecting typical test conditions. For measurement details, please contact us.

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