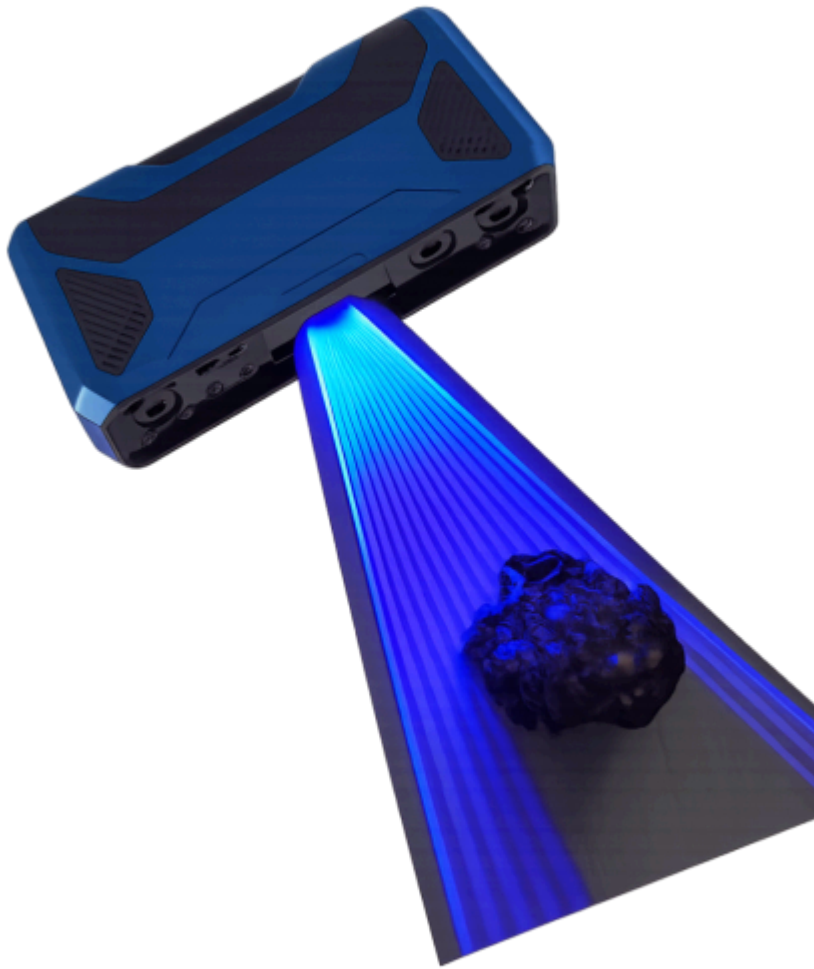








BLUE LIGHT HANDHELD 3D SCANNER

TECHNICAL SPECIFICATIONS

Parameter	Specification
Light Source	One-wavelength Blue Laser
Laser Technology	Phase Shift EEL (Edge-Emitting Laser)
Laser Safety	EN 60825 Class I (Eye-safe)
Laser Wavelength	Monochromatic Blue Light (500 nm)
Field of View (FOV)	Standard: 20 × 12 cm / Optional: 40 × 22 cm
Alignment Modes	Feature Alignment, Marker Alignment, Hybrid Alignment, Photogrammetry

Working Distance	40 ± 10 cm
Outdoor Scanning	Supported
Scanning Speed	10–20 FPS
Points per Frame	Up to 300,000 points
Resolution	0.12 mm
Single Frame Accuracy	0.04 mm
Volumetric Accuracy	0.02 mm + 0.02 mm/m
Depth Camera	2.0 MP
Texture Camera	3.0 MP HD
Camera Lens	12 mm / 5 MP
Output Formats	STL, OBJ, ASC, PLY
Interface	USB 3.0
Operating Temperature	0 – 40 °C (32 – 104 °F)
Scanner Dimensions	180 × 80 × 40 mm
Weight	650 g

Power Supply	Input: 100–220 VAC, 50/60 Hz
Power Consumption	15.4 W
Certifications	CE, FCC, RoHS, ISO 9001
PC Requirements	Intel Core i7 (8th Gen or above), NVIDIA GPU with CUDA 6.0+