Bambu Lab

Bambu Lab S1

Easy in Hand.

Pro in Every Scan.

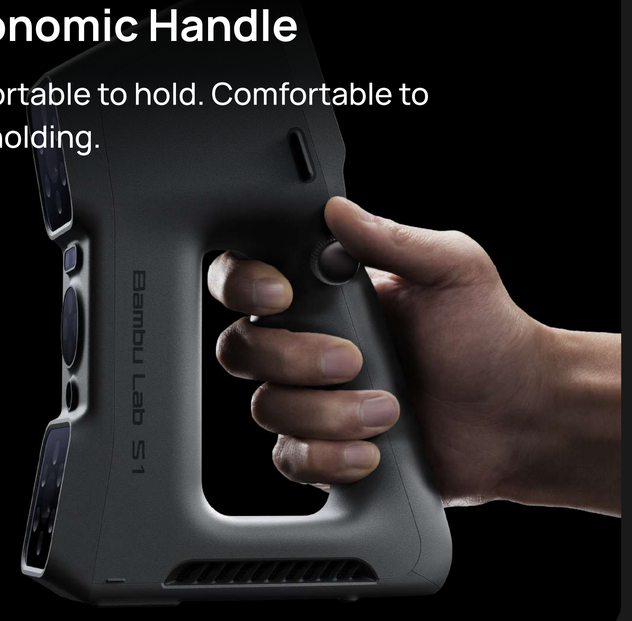
14 Built-In Scene Presets

One-Click Scanning for Everyday Scenarios.
No Setup Needed.



Ergonomic Handle

Comfortable to hold. Comfortable to keep holding.



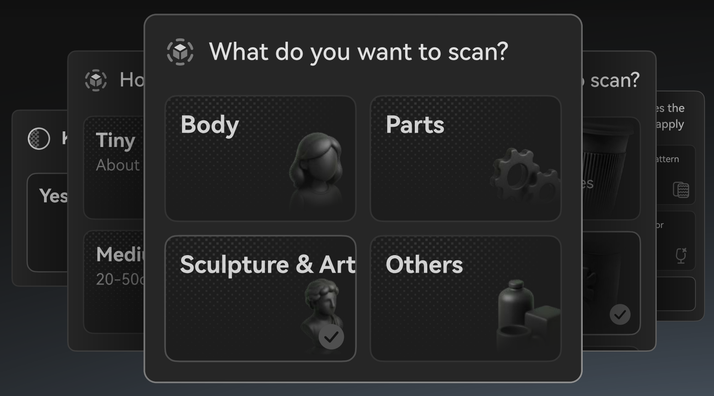
4800 mAh × 2 High-Capacity Battery

3.5 Hours of Battery Life



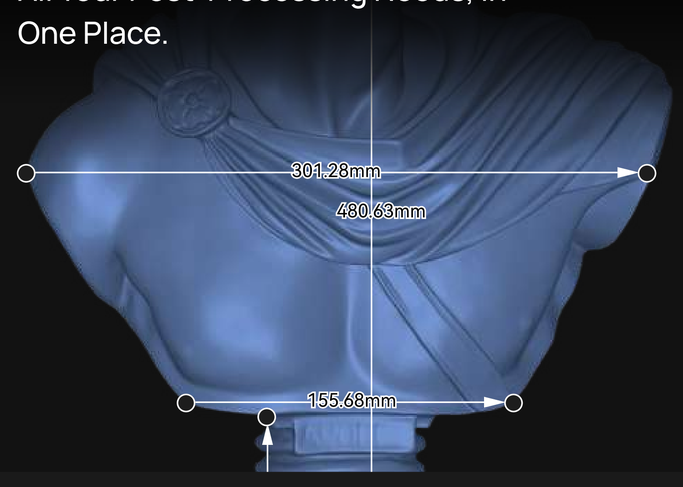
Smart Parameter Recommendations

Answer a Few Questions, Dial In Your Scan.



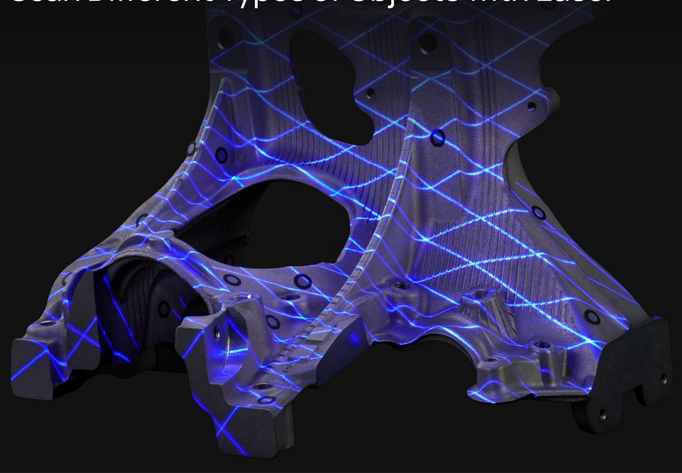
8 Built-In Advanced Editing Tools

All Your Post-Processing Needs, in One Place.



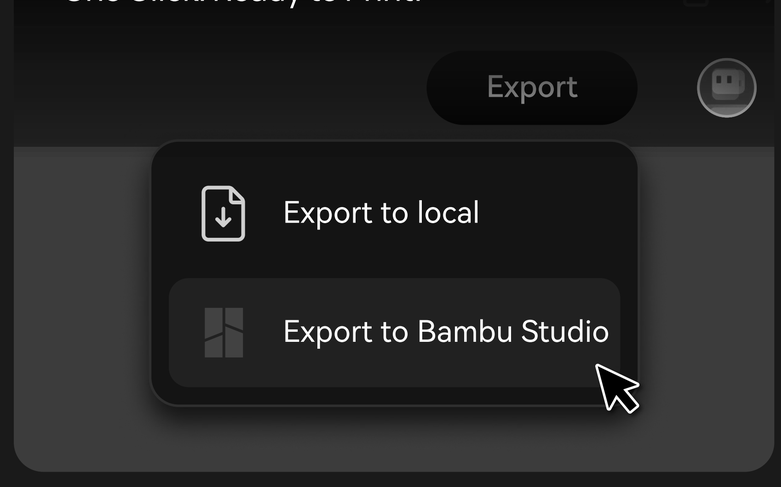
Dual Light Sources, Four Scanning Modes

Scan Different Types of Objects with Ease.



One-Click Export to Bambu Studio

One Click. Ready to Print.



Specifications

OS Support

Windows (macOS support coming soon)

Computer Requirements

Windows:

Minimum: Intel i7 7th Gen or AMD Ryzen 7 series; 64-bit Windows 10/11; RAM ≥ 16 GB; Nvidia 2060 or newer with at least 6 GB VRAM

Recommended:Intel i7 13th Gen or AMD Ryzen 9 series; 64-bit Windows 10/11; RAM ≥ 32 GB; Nvidia 3060 or newer with at least 8 GB VRAM

Volumetric Accuracy*

Blue Laser: 0.02 mm + 0.06 mm/m
IR Structured Light: 0.06 mm + 0.1 mm/m

Accuracy*

Blue Laser: Up to 0.02 mm
IR Structured Light: Up to 0.06 mm

Minimum Point Spacing

Blue Single Laser Line: 0.1 mm
Blue 7-Line Laser: 0.05 mm
Blue 34-Line Laser: 0.1 mm
IR Structured Light: 0.2 mm

Minimum Scan Volume

Blue Laser: 5*5*5 mm
IR Structured Light: 150*150*150 mm

Scanning Area

Blue Laser:
310*184 mm@300 mm
370*245 mm@400 mm
431*306 mm@500 mm
491*367 mm@600 mm

IR Structured Light:
431*306 mm@500 mm
612*490 mm@800 mm
732*612 mm@1000 mm

Texture Supported

Battery Capacity 4800mAh × 2

Runtime 3.5 hours

*Data obtained under standard laboratory test conditions. Actual scanning performance may vary depending on the operating environment, scan target, and operating conditions.
*Laser classification is based on GB 7247.1-2012 / IEC 60825-1.