SHINING 3D

EINSTAR

3D Scanner

Go Ahead With Einstar

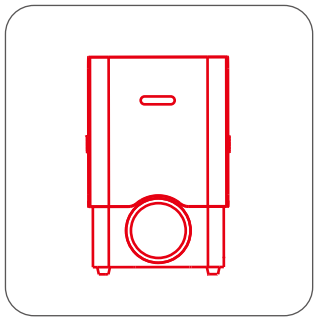
Shop Now Online:
www.einstar.com

Our mission at SHINING 3D is to make 3D technology accessible to everybody. Einstar is our most affordable 3D scanner ever! You can digitize the world around you like never before!
Einstar can easily capture stable and clear details at a fast pace with high quality data outputs. Start 3D scanning at ease today with

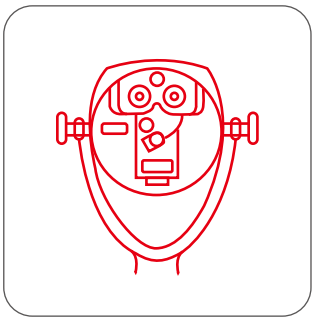
EINSTAR

Variety Applications

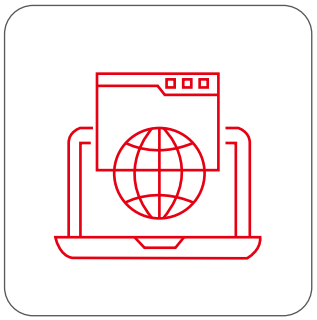
Support multiple data format outputs, compatible with 3D printers and 3D design softwares.



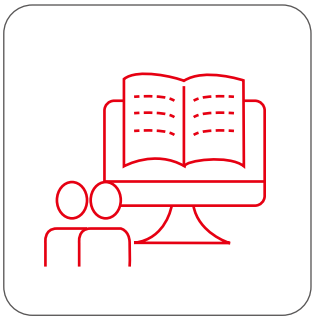
3D Printing



Designing

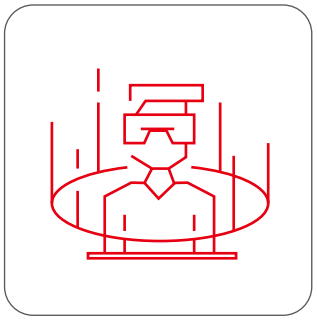


Digital Archiving



Education

Culture and Art



VR&AR

High Quality Data

Collect high density point cloud data fast and easily with point distance up to 0.1mm.

High Color Fidelity

Benefit from built-in RGB color camera.
3D data with authentic colors.

3D Data
Scanned with Einstar

Physical Object

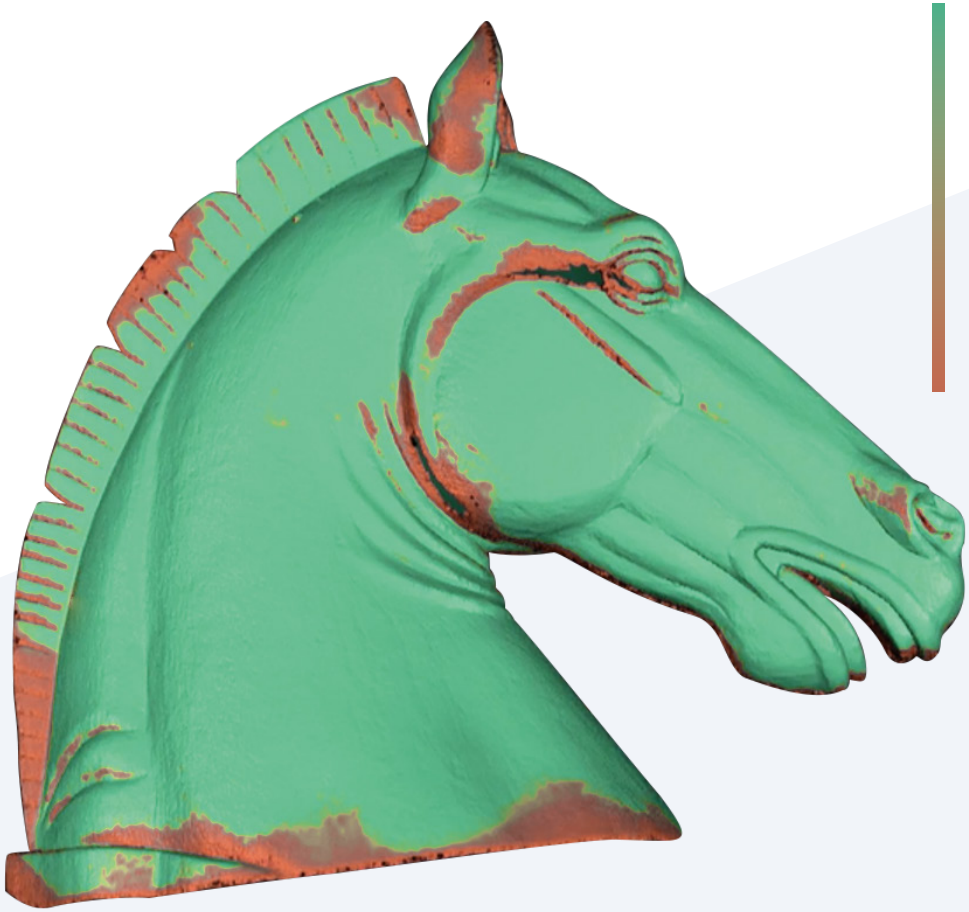
3D Data Scanned with Einstar

Idea for Dark, Shiny Surfaces

Infrared VCSEL is ideal for scanning black and shiny reflective surfaces, ensuring reliable capture of challenging objects.

User Friendly Software

- Data quality indicator optimizes the point cloud for complete data acquisition
- Multiple output formats (OBJ, STL, PLY, P3, 3MF) support different CAD design software and 3D printers
- New data rewind function avoids swipe all your data if any mistake or misalignment happens during scanning



Green:
Adequate data amount

Red:
Insufficient data amount

Streamlined User Experience

Smooth and fast, scanning speed up to 14 FPS.

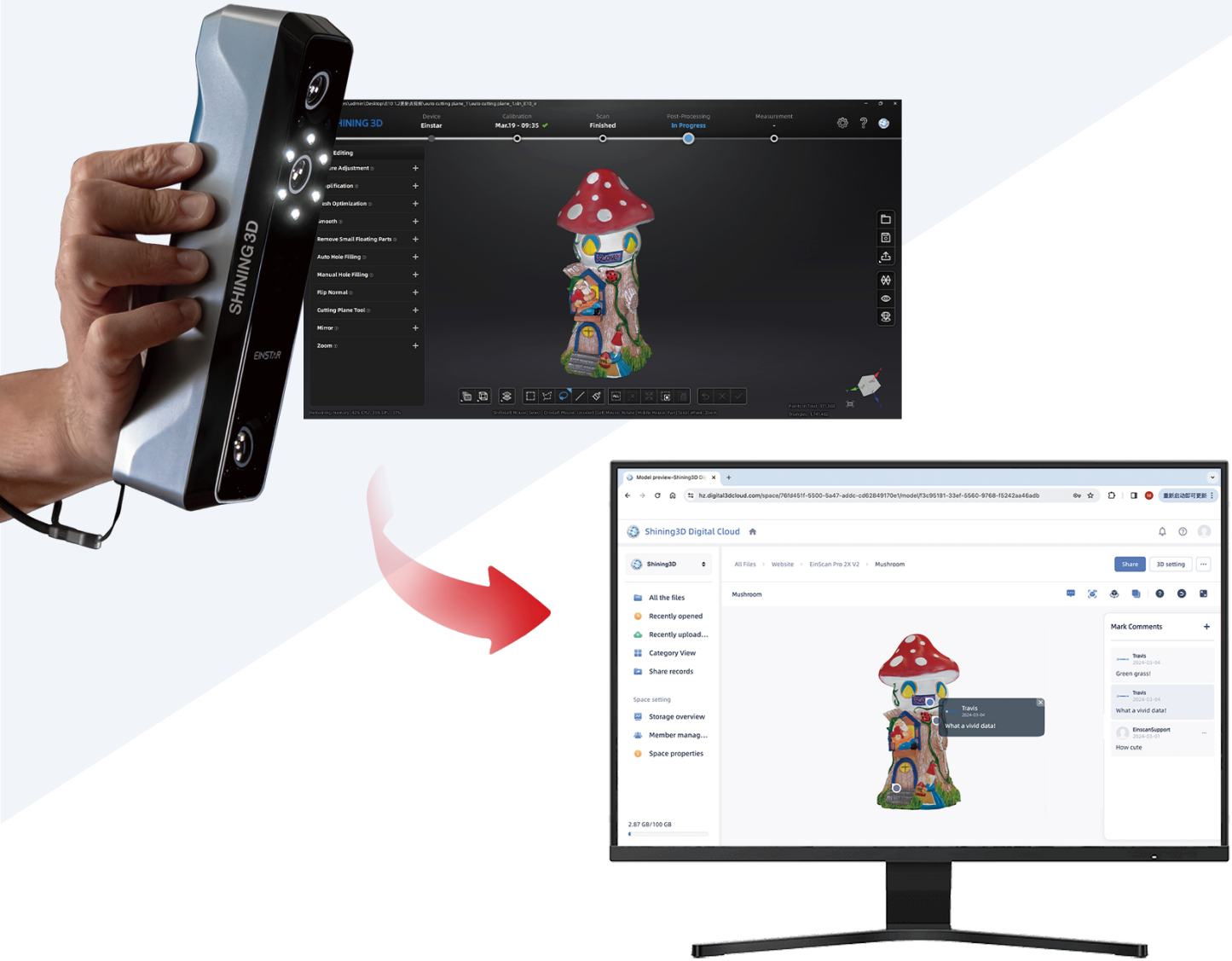
- Easy setup and operation
- Automatic alignment
- Intelligent algorithm
- Smart tracking performance

Stable Outdoor Scanning

Equipped with 3 Infrared VCSEL Projectors, 2 Stereo Depth Cameras and 1 RGB Camera, Einstar can capture clear scan data and generate stable outputs outdoors.
Provide a flexible working distance for small and large objects.

SHINING 3D Digital Cloud

One-click sharing 3D scanning data on SHINING 3D digital cloud platform.
Display your great and creative minds.



Comfortable for Eyes, Easy to Scan Hair

- No projector light during scanning process.
- Comfortable and safe for eyes.
- Turning on "Hair Mode" to get sufficient hair data for human scan and improve the whole data completeness.

TECHNICAL SPECIFICATIONS

EINSTAR

Scan mode	Structured Light Scan
Point distance	0.1 ~ 3 mm
Light source	Infrared VCSEL structured light
Optimal working distance	400 mm
Depth of field	160 - 1400 mm
Max. FOV	434 x 379 mm (under optimal work distance)
Scan speed	980,000 points/s, up to 14 FPS
Align modes	Feature Alignment, Hybrid Alignment, Texture Alignment, Global Markers
Safety	Eye-safe
Texture scan	Yes
Outdoor scanning	Yes
Interface	USB2.0 or above
Output formats	OBJ; STL; PLY; P3; 3MF
Scanner size	220 x 46 x 55 mm
Carrying case size	245 x 245 x 90 mm
Scanner body weight	500g
Operating temperature range	0 - 40℃
Operating humidity range	10 - 90%
Certifications	CE, FCC, ROHS, WEEE, KC
Recommended configuration	OS: Win10/11, 64 bit; Graphics card: NVIDIA GTX1060; Video memory: ⩾6GB; Processor: I7-11800H; Memory: ⩾32GB
Basic computer configuration	OS: Win10, 64 bit; Graphics card: NVIDIA GTX1050; Video memory: ⩾4GB; Processor: I7-7700H; Memory: ⩾16GB

*Einstar infrared light source, certificated as Class 1 laser product, is safe under all conditions of normal use

*Global Markers alignment is only available in Object Scan Mode

*Einstar must require computer equipped with NIVIDA graphics card

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