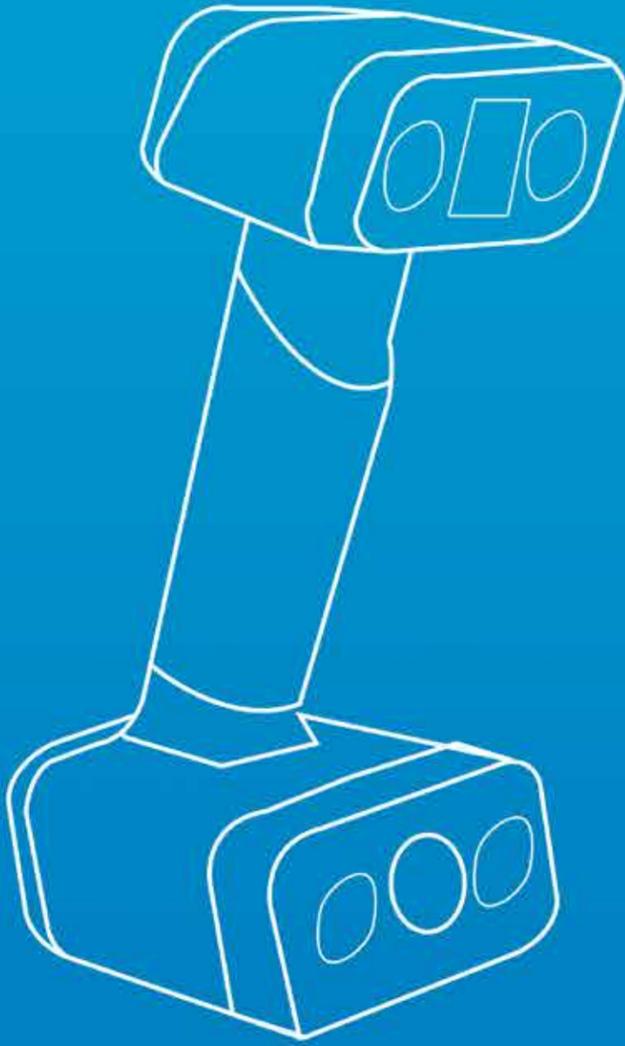


# EinScan H<sup>2</sup>

High Texture Resolution

Hybrid LED &  
Infrared Light Source





The EinScan H2 improves on its predecessor with a 5MP resolution texture camera, enhanced accuracy, and 3 infrared VCSEL projectors for more photorealistic textures and better quality data. Its wide scanning area and adjustable working distance make it suitable for various scenes and objects, both small and large, in narrow or wide spaces. The EinScan H2 is an efficient 3D scanning tool that can revolutionize your workflow.

# Key Features



3 Infrared VCSEL Projectors



Data Acquisition Camera

**5MP**

5MP Texture Camera

White Light Projector



Healthcare

Cultural Heritage

Digital Art

Design

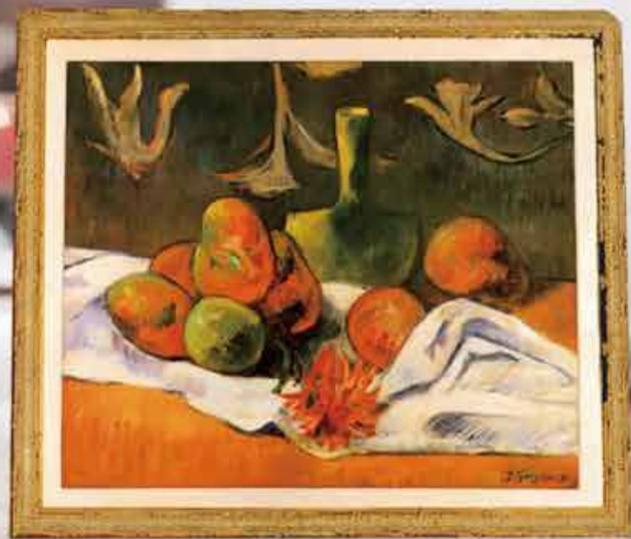
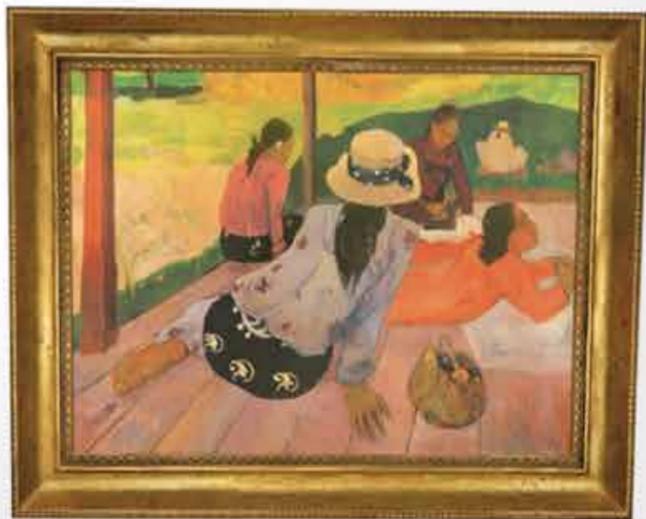
Education



# Photorealistic Texture

5MP Texture Camera

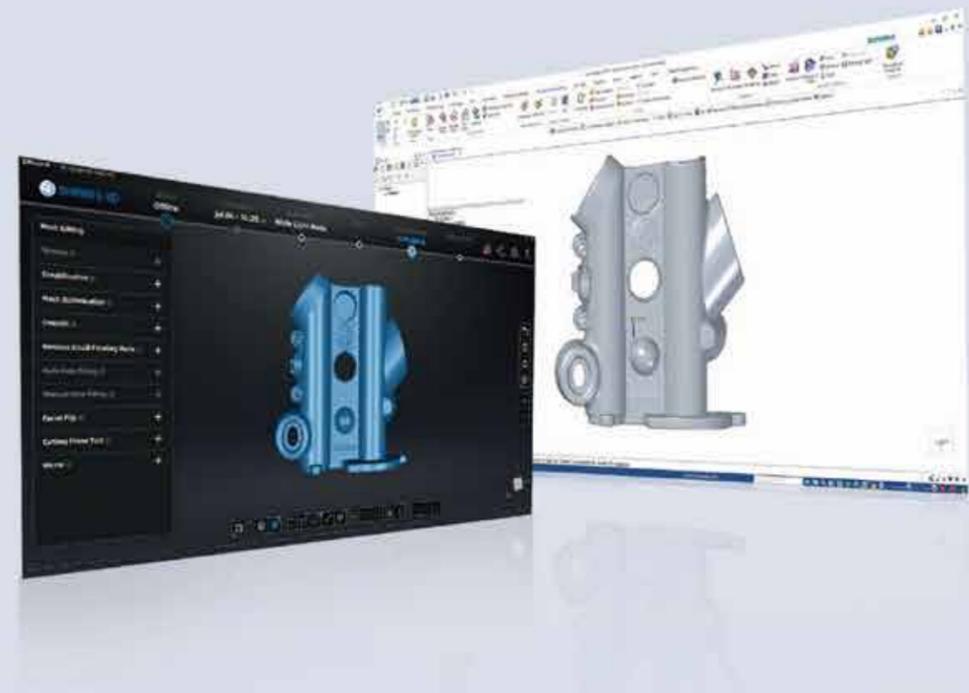
Captures rich, bright colors and clean textures for photorealistic 3D models.



# Hybrid Light Source

Dual light sources improve scanning efficiency. LED light offers fast 3D scanning with accurate, high-quality data.

- Various scenes from small to large
- Scanning speed: 1,200,000 points/s
- Accuracy: Up to 0.05mm
- Point distance: Up to 0.2mm



Infrared VCSEL is ideal for capturing dark surfaces, for human body scanning, and for bright-lit environments.

- Dark color objects
- Human body scan
- Outdoor scan

- Accuracy: Up to 0.1mm
- Point distance: Up to 0.2mm



# Ultra-wide FOV and Adjustable Working Distance



## Adjustable working distance

Enables working distance adjustment from 200mm to 1500mm, to adapt to narrow or wide scenes and objects of various

## FOV (Field of View) up to 780mm x 900mm

Offers flexibility in scanning volume to capture large-sized objects quickly.

## Marker-free scanning

Scans rich geometric features without the hassle of markers.

· EinScan H2 Scanned Data



# Optimized for Face and Body 3D Scanning

## Flashless infrared technology

Ensures optimal comfort during face and body 3D scanning.

## Advanced hair enhancement algorithm

Designed to successfully capture light and dark hair.

## Non-rigid algorithm in IR Mode

Captures 3D body data quickly and seamlessly, with auto-compensation of slight movements to eliminate misalignment risks.

Original Face →

← EinScan H2  
Scanned Data



# User-Friendly Design

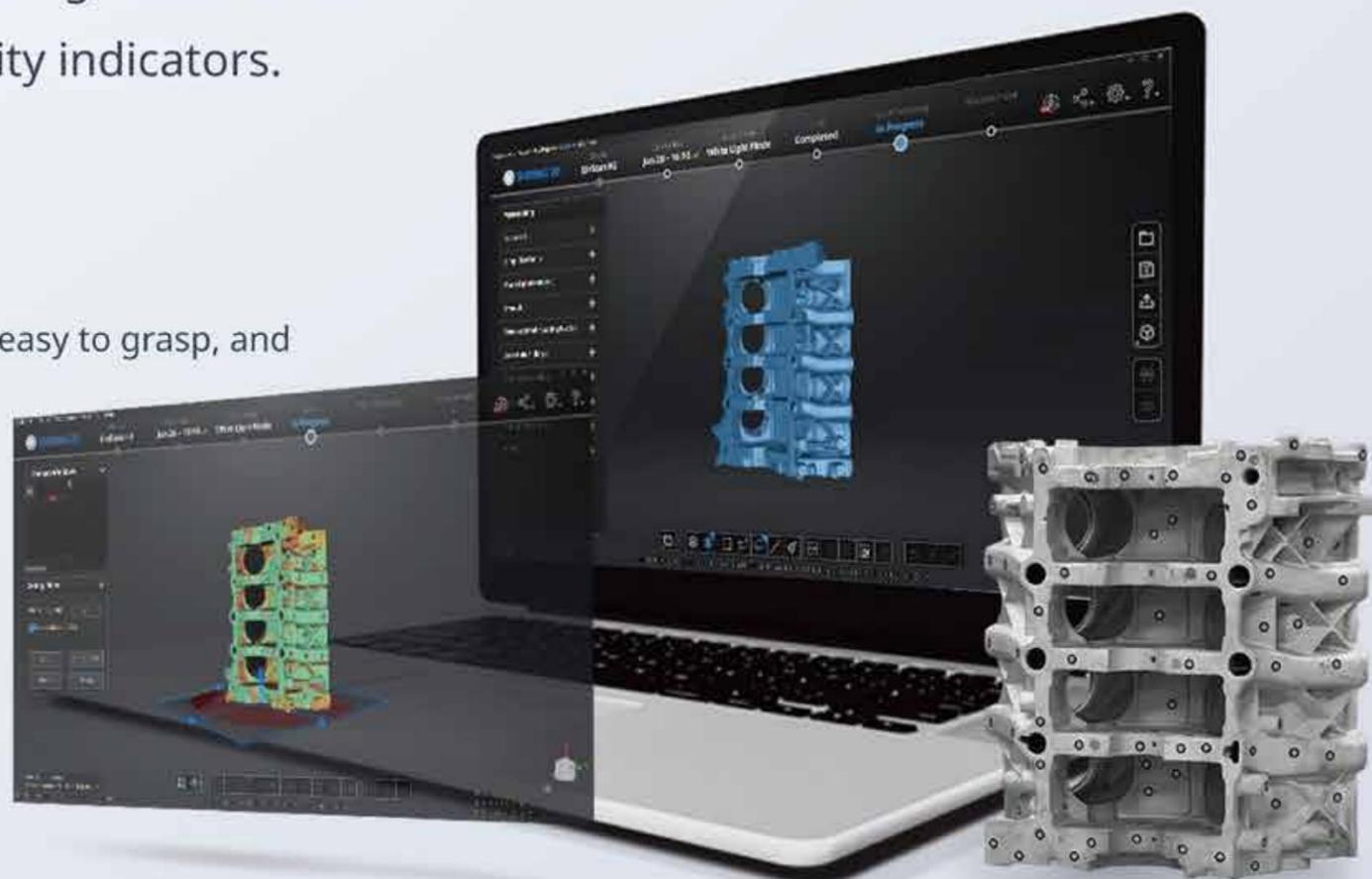


Remarkable scanning software

Delivers a professional easy-to-use 3D scanning interface with automated processing, intuitive UI design, and intelligent data quality indicators.

## Ergonomic design

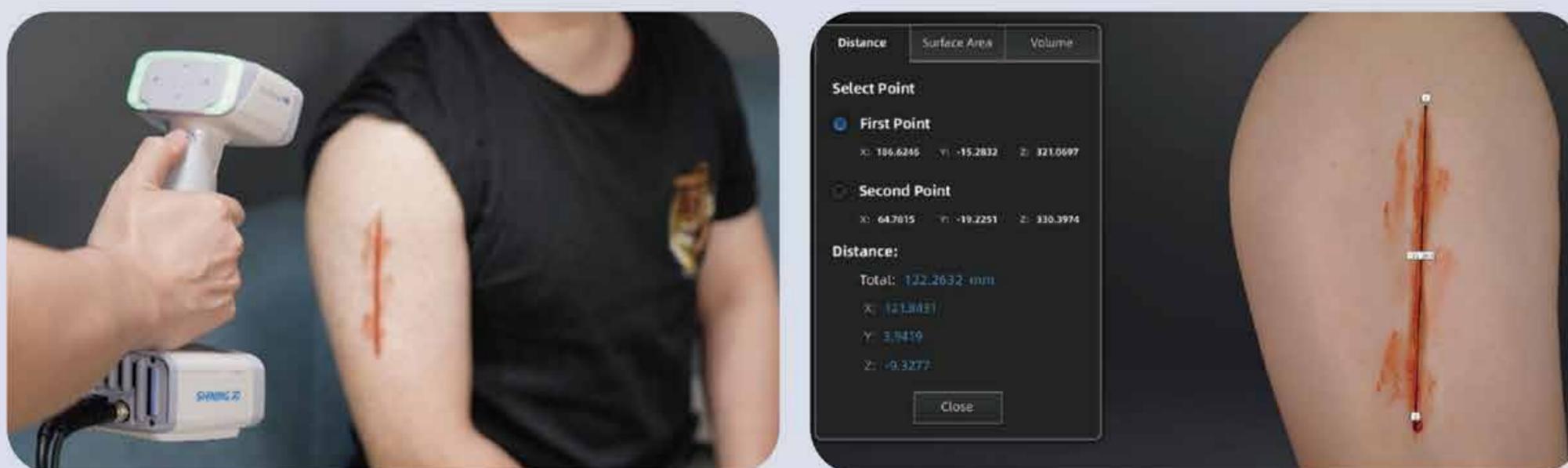
The EinScan H2 is portable, easy to grasp, and intuitive to operate.



## Develop Your Own Scanning App with EinScan H2 SDK

The EinScan H2 scanning SDK is available and open for customization! Integrate our powerful scanning and data processing into your self-developed software or app.

### Forensic Science



### Prosthetics and Orthotics



# TECHNICAL SPECIFICATIONS

## EinScan H2

Scan Mode	White Light Mode	IR Mode
Light Source	White LED Light, Visible	Infrared VCSEL Light, Invisible
Scan Accuracy	Up to 0.05mm	Up to 0.1mm
Volumetric Accuracy	0.05mm ± 0.1mm/m	0.1mm ± 0.3mm/m
Point Distance	0.2mm–3mm	
Best Working Distance	470mm	
Effective working Distance Range	200mm–700mm	200mm–1500mm
Maximum FOV	420mm*440mm	780mm*900mm
Scan Speed	1,200,000points/s	1,060,000points/s
Texture Resolution	5MP	
Align Modes	Markers Alignment, Feature Alignment, Hybrid Alignment, Texture Alignment	Feature Alignment, Hybrid Alignment, Texture Alignment, Global Markers
Safety	LED light (eye-safe)	CLASS I (eye-safe)
Built-in Color Camera	Yes	
Texture Scan	Yes	
Included Software	EXScanH; Solid Edge SHINING 3D Edition	
Output Formats	OBJ, STL, ASC, PLY, P3, 3MF	
Scanner Size	108 mm*110 mm*237 mm	
Scanner Weight	731.1 g	
Operating Temperature Range	0° C – 40° C	
Operating Humidity Range	10% RH – 90% RH	
Certifications	CE, FCC, ROHS, WEEE, KC	
Interface	USB 3.0	
Input Voltage	DC: 12 V, 5.0 A	
Recommended Configuration	OS: Win10/11, 64-bit; Graphics card: NVIDIA GTX/RTX, RTX2060 or better; Video memory: ≥6GB; Processor: Intel I7-11700 or better; Memory: ≥64GB	
Required Configuration	OS: Win10, 64-bit; Graphics card: NVIDIA GTX1060; Video memory: ≥4GB; Processor: Intel I7-8700; Memory: ≥16GB	

EinScan H2-EN 20230720-V0.9



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