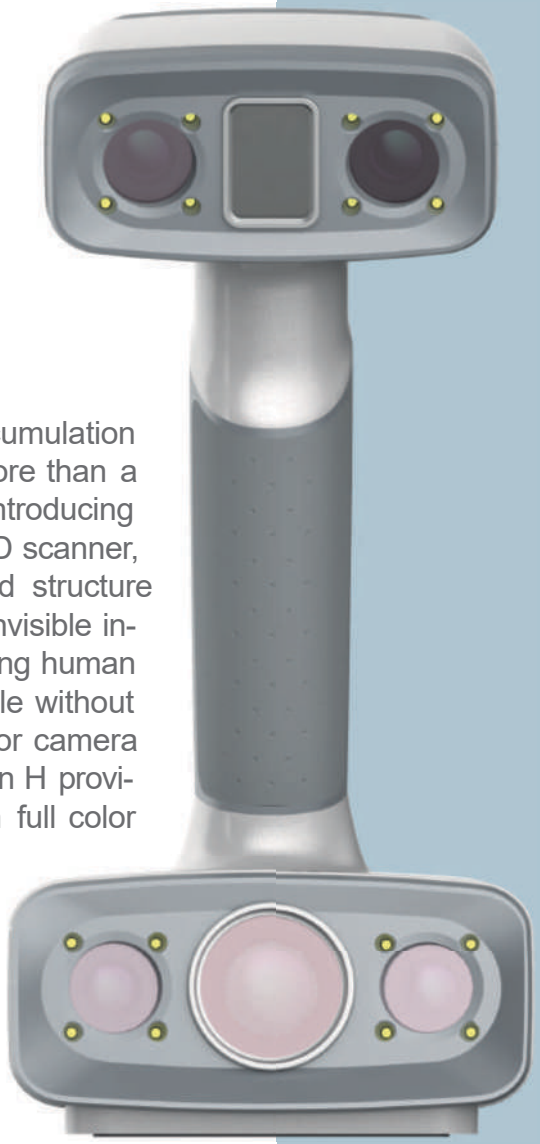
V·GER
COMPETENCE IN 3D SCANNING

EinScan H

Hybrid LED & Infrared Light Source
Handheld Color 3D Scanner

SHINING 3D®

With strengths of technical accumulation on 3D vision technology in more than a decade, SHINING 3D is now introducing its new developed handheld 3D scanner, EinScan H. Based on hybrid structure light technology of LED and invisible infrared light, EinScan H is making human face scanning more comfortable without strong light. With a built-in color camera and large field of view, EinScan H provides high quality 3D data with full color ready-to use in minutes.



APPLICATIONS

ART AND HERITAGE
Digital Sculpture Design

FORENSICS
Evidence Analysis and Archiving

VIRTUAL DISPLAY
VR/AR Display

CUSTOMIZATION
Consumer goods customization

HEALTHCARE
Orthotics & Prosthetics, Plastic Surgery, Digital Diagnosis & Treatment

DIGITAL ENTERTAINMENT
Animation and Games

FULL BODY SCAN SOLUTION

THE ERA OF SCANNING WITH HAIR ACQUISITION

The invisible infrared light source provides a reliable solution to the problem of acquiring dark-coloured objects and enables an easy acquisition of human hair.

INVISIBLE LIGHT 3D SCANNING EXPERIENCE

The new face scanning mode adopts invisible infrared light enabling a safe and comfortable scanning process.

Scan Data

TECHNICAL SPECIFICATIONS
EinScan H

Scan Mode	Standard Scan	Body Scan	Face Scan
Light Source	White Light, visible		Infrared light, invisible
Safety	LED light (eye-safe)		CLASS I (eye-safe)
Scan Accuracy	Up to 0.05mm		Up to 0.6mm
Volumetric Accuracy*	0.05+0.1mm/m		/
Scan & Align Speed	1,200,000points/s, 20FPS		720,000points/s, 20FPS
Align Modes	Markers-, Feature-, Hybrid- and Texture Alignment		Feature Alignment
Camera Frame Rate	55FPS		
Working Distance	470mm		
Depth of Field	200-700mm		200-1500mm
Maximum Scan Range	420mm x 440mm		780mm x 900mm
Point distance	0.25mm-3mm		0.5mm-3mm
Built-in Color Camera	Yes		
Color Scanning	Support		
Connection Standard	USB 3.0		
Output Format	OBJ; STL; PLY; P3; 3MF		
Dimension	108mm x 110mm x 237mm		
Weight	703g		
Certification	CE, FCC, ROHS, WEEE, KC		
Recommend Configuration	CPU: Core i7 - 9850 H or better - Memory: 32GB or better Graphics Card: NVIDIA RTX 2060 with 6GB or higher		

* Volumetric accuracy refers to the relationship between 3D data accuracy and object size; the accuracy is reduced by 0.1mm per 100cm (standard scan & body scan). The conclusion is obtained by measuring the center of sphere under marker alignment.

Authorized Reseller:

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