

EinScan TRAK

Wireless Multi-Functional Tracking System

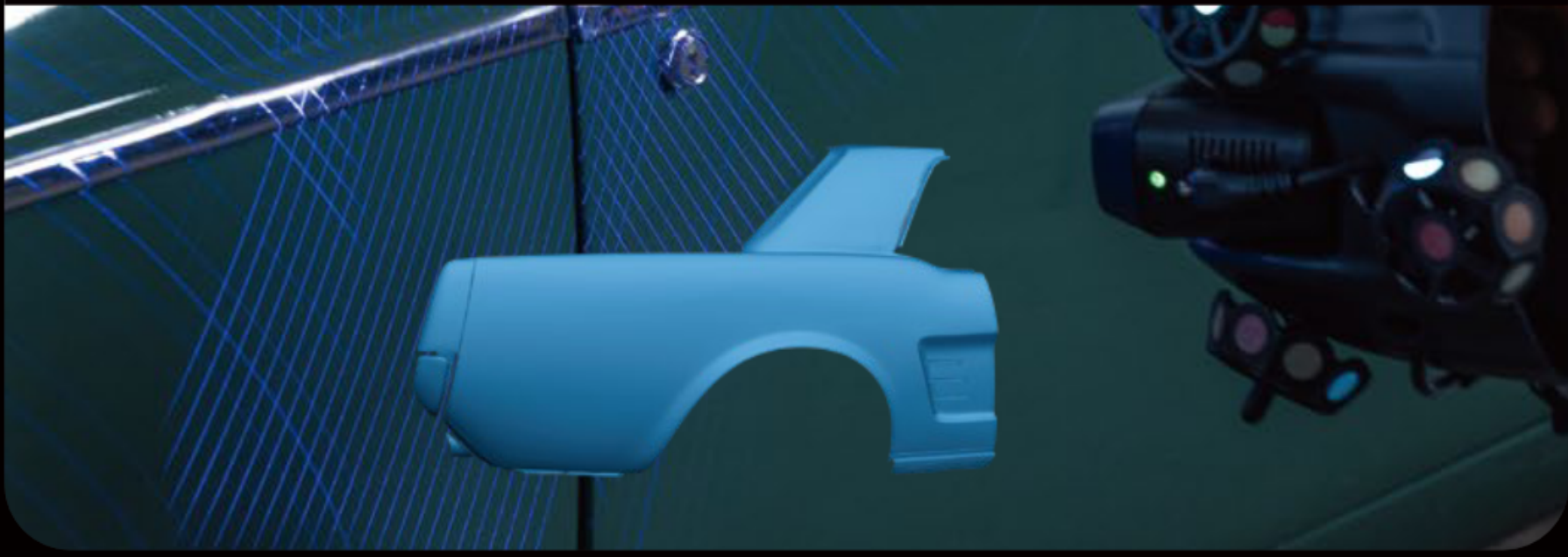
Trak in, Markers out



▪ Wireless Marker-Free Tracking System

Even on Low-Feature Surfaces

Built-in retroreflective targets allow real-time tracking of the spherical scanner. No object markers required — even on large, smooth surfaces.



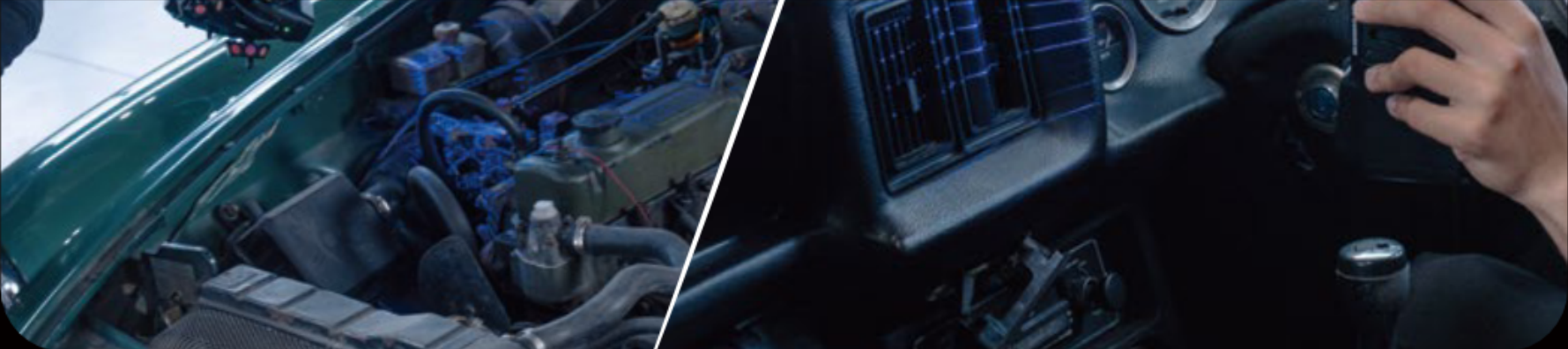
▪ One System. Two Work Modes. Smart Merge.

Tracking Mode + Scanner Mode

Use Tracking Mode for large areas, then detach the scanner for scanner mode to reach confined space and capture fine details.

Track Large. Scan Fine. Merge Smart.

4m wireless tracking range. Up to 0.05 mm resolution. Merge multi-mode, multi-resolution data into one model.



▪ Three Laser Modes

 **19+19** crossed laser lines
Fast capture for large surfaces.

 **7** parallel laser lines
Fine details and sharp edges.

 **Single** laser line
Deep holes and recessed areas

▪ 5MP Texture

High-definition. True-color.

Capture true-color textures for heritage, art, research, AR/VR, and digital content.



▪ Highly Adaptable Wireless Workflow

Outdoor-ready. Long-lasting. Travel-ready.



Various Materials



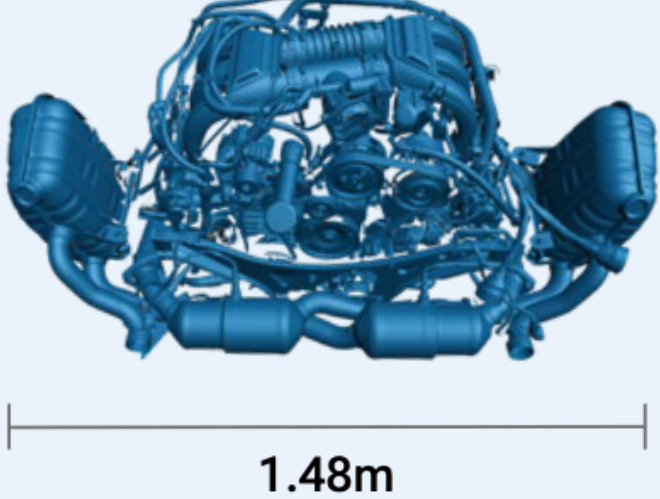
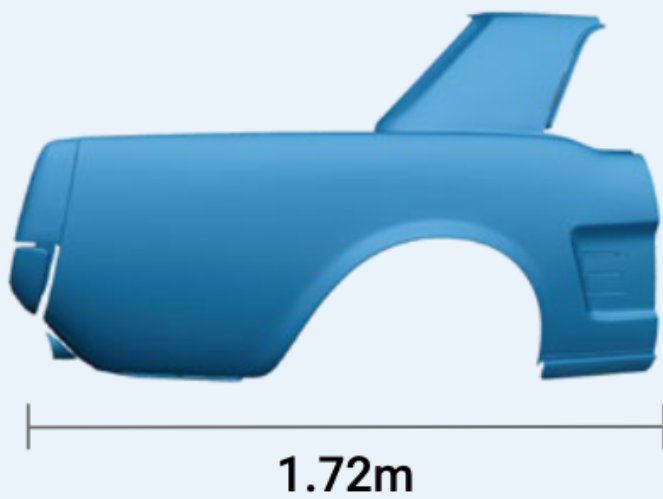
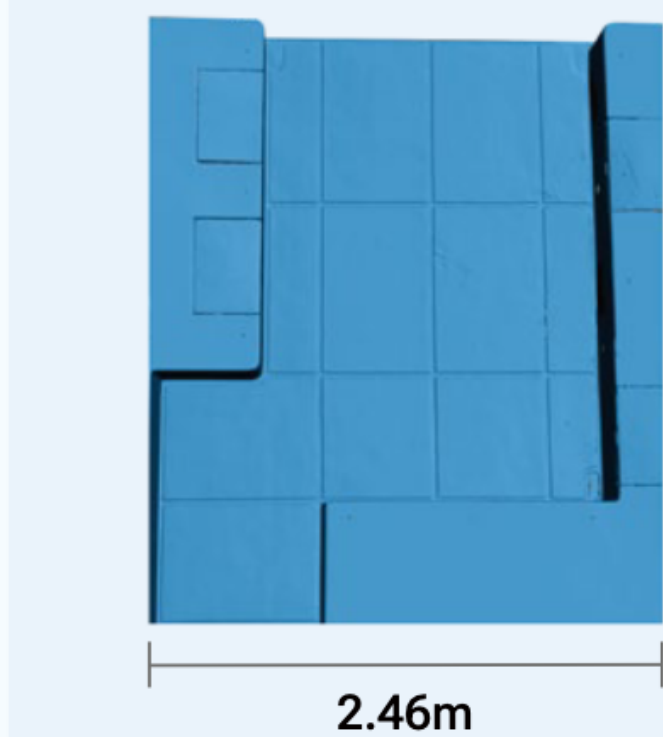
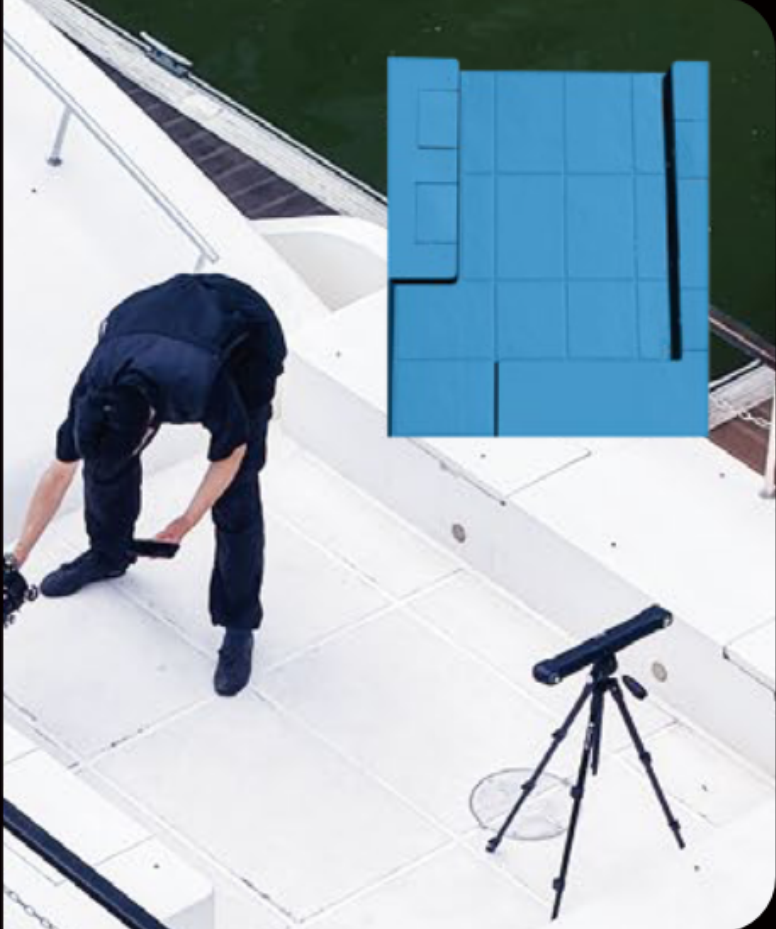
110,000 Lux Outdoor Scanning



Up to 5.5 h Battery Life



CFFIM Carbon Fiber



Specification

EinScan Trak			
Work Mode	Tracking Mode		Scanner Mode
Scan Mode	Laser		Laser
Light Source	19 + 19 Crossed Blue Laser Lines 7 Parallel Blue Laser Lines Single Blue Laser Line		
Resolution	0.05 ~ 10 mm		
Scanning Speed	2,900,000 Points/s		
Working Distance	Tracking Distance: 800-4000mm Optimal: 2000mm		200-580mm Optimal: Crossed/Single lines: 300mm Parallel lines: 200mm
MAX FOV	4796mmx4174mm@4000mm		375mm*278mm@300mm
Alignment Mode	Tracking/Global Marker		Marker/Global Marker/Feature
Camera Resolution	Tracker cameras: 5MP *2		Depth Cameras: 2MP*2 Texture Cameras: 5MP*1
Output Formats	STL、OBJ、PLY、3MF、ASC		
Laser Class	Class 2		
Operation Conditions	Temperature: -10°C-40°C;		
Certifications	CE, FCC, ROHS, WEEE, FDA, SRRC, IP50		
MIN Configurations for PC	OS: Win11,(64-bit); Graphics card: NVIDIA GeForce RTX 3060 Laptop GPU; VRAM: 6 GB or above; RAM: 32 GB or above, DDR5 dual-channel; Interface: USB 3.0; LAN; Processor: 13th Gen Intel®Core™ i7-13700H/AMD Ryzen7 7735H		
Power Source	5.5 hours of continuous use (Tracker 5400 mAh Batteries*2; Scanner 5400 mAh batteries *2)		3.5 hours of continuous use (5400 mAh battery *1)
Interface	2* USB type-C		1* USB type-C
Dimension	Tracker: 462 x 68 x 54mm/18.15" x 2.68" x 2.13"		Scanner: 199*193*172mm/7.83" x 7.59" x 6.77" (Standalone scanner) 244 x 186 x 238mm/9.57" x 7.32" x 9.37" (Spherical Scanner)
Net Weight	1.07kg/2.36 lbs		1.38kg/3.04 lbs (Spherical Scanner) 0.48kg/1.06 lbs (Standalone scanner)



Official Website



Einstar Community



Official Online-store

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