



INSPIRE 2 3D Scanner

Inspiration in Your Pocket

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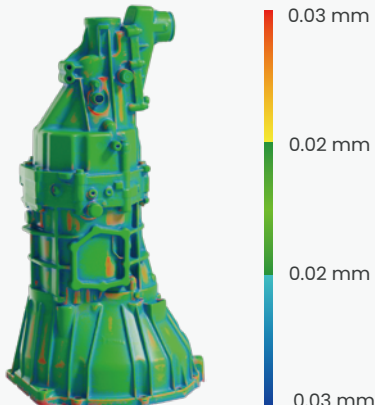
The INSPIRE 2's new dual-mode scanning system supports wireless scanning indoors and outdoors. Its lightweight design, high-accuracy 3D scans, and ease of use provide a capable 3D data capture solution.

Reality, Captured Perfectly

Up to **0.05 mm** Accuracy



Volumetric Accuracy
0.05 mm + 0.1 mm × L (m)



Dual Scanning Modules



11 Parallel Infrared Laser Lines
Scan Dark or Shiny Surfaces





Infrared Structured Light
Marker-free, Body Scans, and More



Real-tone Color Scans**Up to 20,000 lux
Outdoor Scanning****Bigger FOV****30%****Optical Zoom Function****Connect Via Wi-Fi to
Mobile Devices****190g**

Only



Applications



Reverse Engineering



3D Printing



Animation & Digital Media



Heritage Preservation

Specifications

Product Name	INSPIRE 2
Technology	Dual-camera Infrared Structured Light and Infrared Multi-line Laser
Single-frame Precision, up to ^①	0.03 mm
Single-frame Accuracy, up to ^①	0.05 mm
Volumetric Accuracy	0.05 mm + 0.1 mm × L (m) , L is the length of the object. Note: Using marker tracking mode
Fused Point Distance, up to	0.1 mm
Working Distance	Indoor: 200 ~ 400 mm Outdoor: 150 ~ 250 mm
Single Capture Area at Nearest Distance	Indoor: 130 × 129 mm at 200 mm
Single Capture Area at Furthest Distance	Indoor: 293 × 257 mm at 400 mm
Minimum Scan Volume	20 × 20 × 20 mm
Maximum Scan Volume	2 × 2 × 2 m
Scanning Speed, up to	Full-field Structured Light Scan: 18 fps Multi-line Laser Scan: 90 fps (GPU), 40 fps (CPU)
CPU	2 core, 1.6 GHz
3D Light Source ^②	Class 1 Infrared Light
Fill Lights ^③	Depth Camera: 4 RGB Camera: 1
Scanner Weight	190 g
Dimensions (L x W x H)	53 × 27 × 132 mm

Notes:

- ① Precision and Accuracy were both acquired in a controlled lab environment. Actual results might vary, subject to the operation environment.
- ② Outdoor scans should avoid direct sunlight.
- ③ Class 1 Laser: Avoid direct eye exposure for extended periods! Refer to Standards for Class 1 Lasers for details.
- ④ This product have flashing lights, which may not be suitable for people with photosensitive epilepsy.

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