



CR-Scan Otter

Small to Large, Scan It, Make It

Key Features

Up to **0.02mm** Accuracy



Innovative **4-lens** Stereo Vision



24-Bit Full-Color Scanning



Scan Black/Metal Objects **without Spraying**



Objects between **10-2000mm**



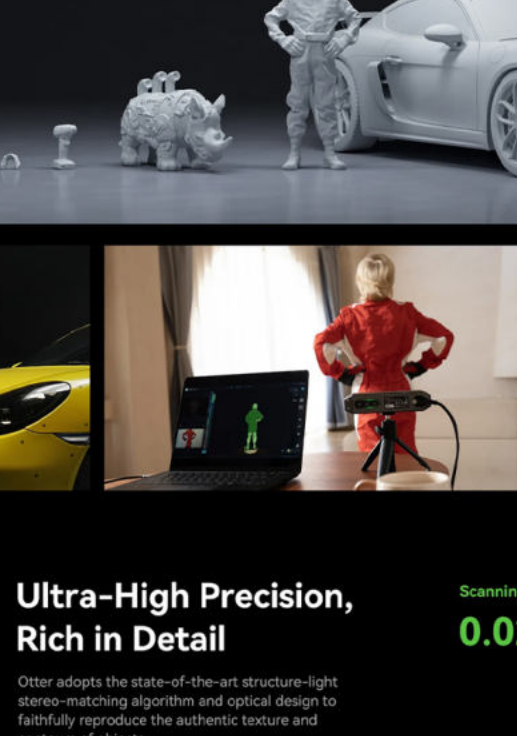
Anti-shaking for smooth scanning



Various Size Options

Innovative Four-lens Stereo Vision

Proficient in handling both large and small scans. Two sets of dual lenses, catering to details and various sizes. A set of long-focal dual lenses for scanning small objects, providing richer details; a set of short-focal dual lenses for scanning large objects, covering a wider range of sizes.



Capture SMALL & BIG Objects

The CR-Scan Otter realizes possibilities of scanning various objects, ranging in size from 10*10*10mm³ to 2000*2000*2000mm³, from tiny coins to large vehicles, all covered in one scanner. The scanning distances range from 110mm to 1200mm to effectively capture items of versatile sizes.

10*10*10mm³

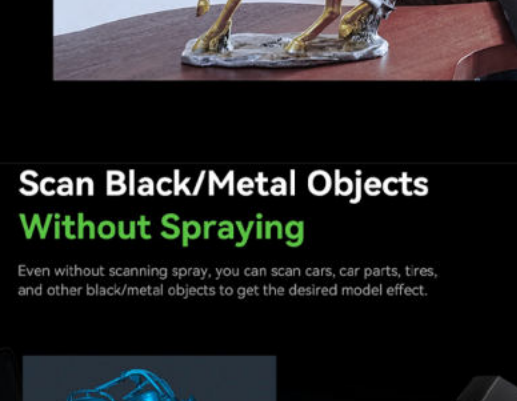
2000*2000*2000mm³



Ultra-High Precision, Rich in Detail

Otter adopts the state-of-the-art structure-light stereo-matching algorithm and optical design to faithfully reproduce the authentic texture and contours of objects. The scanning accuracy up to 0.02mm ensures every detail is sharp and clear.

Scanning accuracy up to **0.02mm**



Anti-shake, Smooth and Efficient Scanning

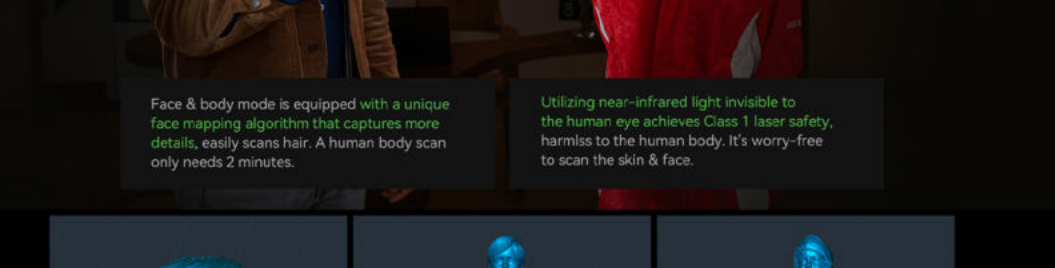
Equipped with One-Shot 3D imaging technology, the CR-Scan Otter is naturally stabilized and less likely to tracking loss. Fast backtracking speed ensures smoother handheld scanning.

Scanning speed up to **20 fps**



Scan Black/Metal Objects Without Spraying

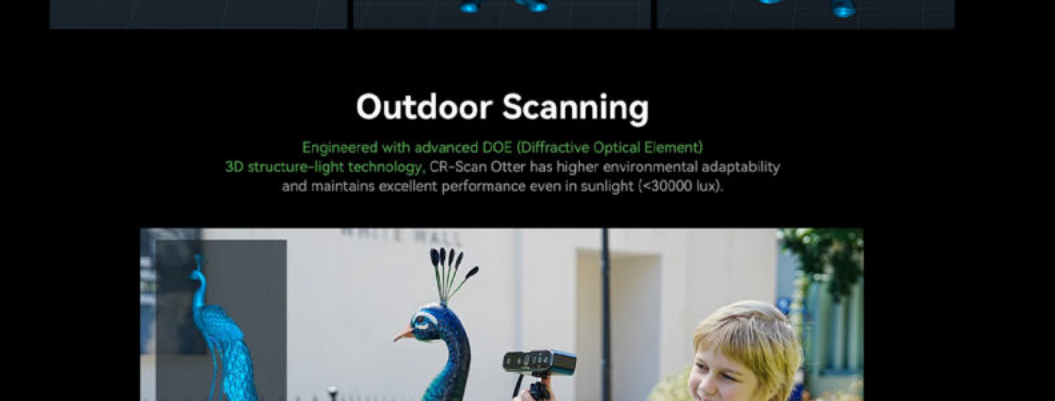
Even without scanning spray, you can scan cars, car parts, tires, and other black/metal objects to get the desired model effect.



Unique Face & Body Algorithm with Eye Safety

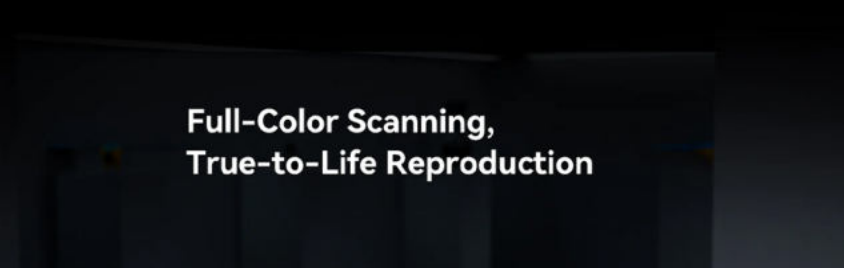
Face & body mode is equipped with a unique face mapping algorithm that captures more details, easily scans hair. A human body scan only needs 2 minutes.

Utilizing near-infrared light invisible to the human eye achieves Class I laser safety, harmless to the human body. It's worry-free to scan the skin & face.



Outdoor Scanning

Engineered with advanced DOE (Diffractive Optical Element) 3D structure-light technology, CR-Scan Otter has higher environmental adaptability and maintains excellent performance even in sunlight (<30000 lux).



Full-Color Scanning, True-to-Life Reproduction

Clear Capture with Built-in Lights

Even in low-light environments this allows for the most realistic texture effects. Two supplemental LEDs help precisely capture details, faithfully reproducing the color and texture of objects.

24-bit Full-Color Scanning

Equipped with a million-pixel full-color RGB camera and an exclusive color mapping algorithm, ensuring exceptional capture of model details and colors.



Cross-platform Compatibility, Convenient Operation

Cross-platform (Windows, macOS) operation, easy to use.

Windows macOS

Coming Soon...

Android iPhone iOS

New accessories will be released for Otter to achieve wireless scanning, compatible with iPhone iOS and Android.

Intuitive Software, Powerful Features

CrealityScan is a professional 3D scanning software with excellent user-friendliness and powerful image and point cloud processing capabilities. With its step-by-step tutorials, one-click model processing, and model editing features, it can easily kickstart your effortless scanning journey.

One-click processing

Multiple scans alignment

Point-cloud Editing

Marker mode

Face & Body mode

Easy Calibration



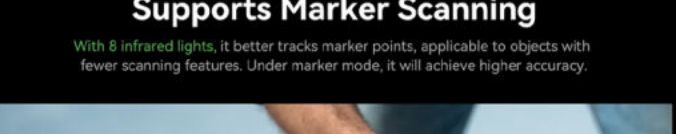
Elevate Scanning Experience

Ring indicator lights provide real-time scanning status; CR-Scan Otter comes with touch buttons and audible feedback, making scanning seamless. It allows for real-time exposure adjustment and offers comfortable and simple operation.

Start/ Pause

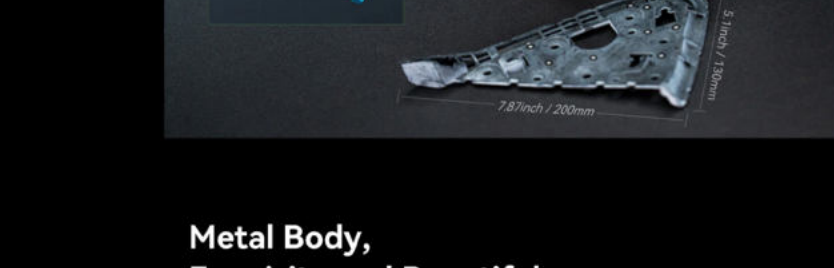
Exposure adjustment

Audible feedback



Supports Marker Scanning

With 8 infrared lights, it better tracks marker points, applicable to objects with fewer scanning features. Under marker mode, it can achieve higher accuracy.



Metal Body, Exquisite and Beautiful

Robust Exterior, Detail Highlights

Adopting a robust industrial design, every detail is carefully designed balancing both aesthetics and functionality.

Silent Scanning, Peaceful Creation

With a full metal body and excellent heat dissipation, the fanless design ensures quiet operation.


Portable Otter weighs only **390g**



3D Printing Seamlessly Connected to Scanning

Effortlessly generate precise, print-ready 3D models of virtually any objects without requiring time-consuming manual creation in complex 3D modeling software.

Scanned 3D models ready to print instantly. Scan it, make it.



See Otter's Amazing Scans


Action Figure

Auto Parts

Face& Body

Art

Others



Specifications	
Accuracy	Up to 0.02mm @ 60mm
3D Resolution	0.05-2mm
Scanning Speed	Up to 20fps
Min. Scan Volume	10mm x 10mm x 10mm
Single Capture Range	Max. 1350x840mm@1000mm
Technology	Infrared structured light
Working Distance	110mm-1200mm
Color Mapping	YES
Alignment Modes	Geometry/Marker/Texture
Output Format	OBJ/STL/PLY
IMU	YES
Color Supplemental Light	2 white LEDs
Marker Recognition Enhancement	8 infrared LEDs
Laser Safety	Class I (eye safe)
System Support	Windows/macOS (*Wireless scanning accessories are required for iPhone /Android)
Wireless Scanning	Supported in conjunction with future wireless scanning accessories
Buttons	Touch
Audible prompt	Yes
Calibration board	Yes
Operating Temperature	-10°C to 40°C
Operating Humidity	0-90% RH
Input Power	5V 3A
Data Interface	Type C/USB3.0/USB2.0
Device Dimensions	165mmx37mmx59mm
Device Weight	390g