



**7 Blue Parallel Laser Lines**

Metrology Grade Accuracy  
Up to 0.02mm  
Sharper Edges and Richer Details

High Scanning Speed  
Up to 60fps

**Hybrid Blue Laser & NIR**

Anti-shaking  
for Smooth Scanning

24-Bit  
Full-Color Scanning

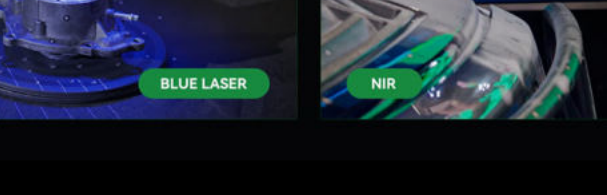
Light and Compact  
372g / 0.82lb  
8.5x2x3" / 215x50x74mm

Objects between  
0.2-79" / 5-2000mm

Scan Black/Metal Objects  
without Spraying

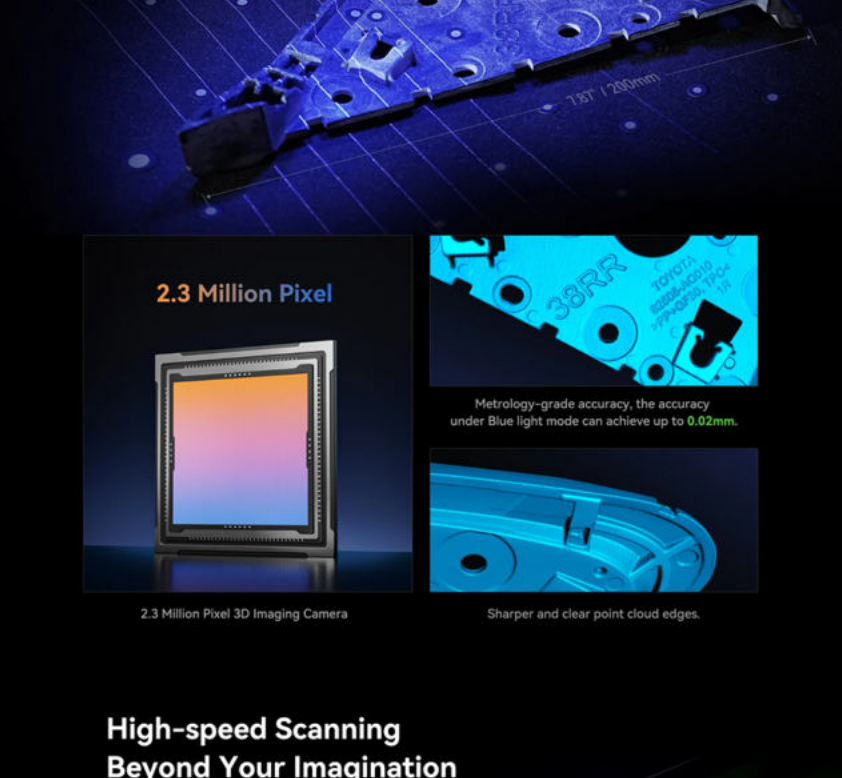


## The First Multiple-line Blue Laser Consumer 3D Scanner



### BLUE LASER & NIR

The CR-Scan Raptor integrates an innovative combination of blue laser and infrared light sources, covering scanning of small, medium, and large objects, which can meet the needs of diverse industrial 3D scanning scenarios.

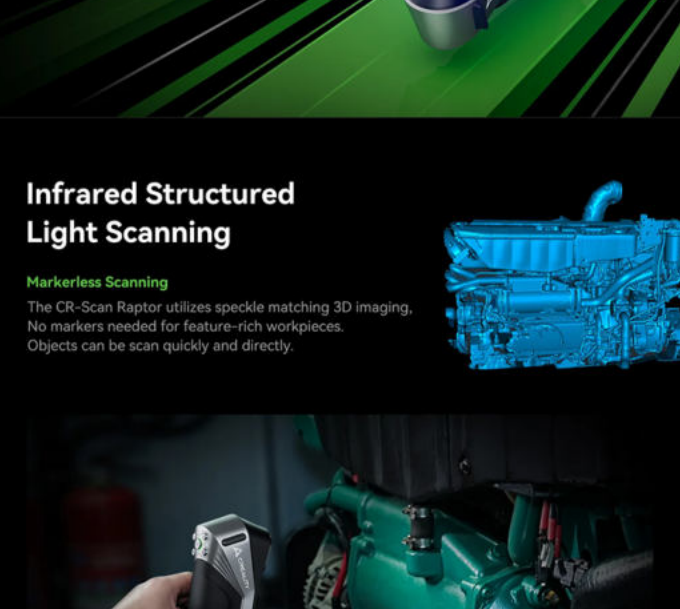


### 7 Laser Lines

### Metrology Grade Accuracy

7 parallel blue laser lines for fine scanning details, single laser line is very thin, up to 0.1mm to obtain sharper and clear edges.

### Accuracy up to 0.02mm



### High-speed Scanning Beyond Your Imagination

Blue Light Scanning Speed up to **60fps**

NIR Scanning Speed up to **20fps**



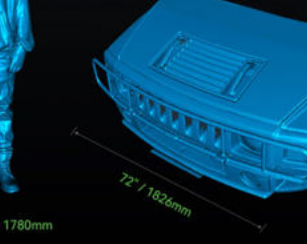
### Infrared Structured Light Scanning

**Markerless Scanning**  
The CR-Scan Raptor utilizes speckle matching 3D imaging. No markers needed for feature-rich workpieces. Objects can be scan quickly and directly.



### Accurate and Detailed Scanning

**Advanced temperature compensation algorithm**  
It can improve temperature stability and ensure accuracy.



**High Performance Structure**

- $\phi 20\text{mm}$  large depth of field lens
- Low distortion lens < 5‰
- 9-elements glass lens
- Metal lens barrel and holder

The CR-Scan Raptor covers near and far distance scanning, and is equipped with good stability in high and low temperatures, providing reliable measurement scanning results.

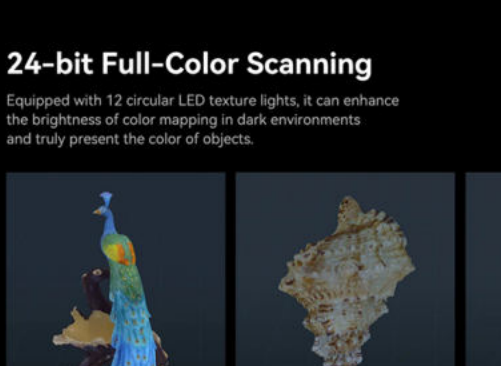
### Versatile Scanning for All Sizes

Combining line lasers with infrared structured light, the CR-Scan Raptor can scan objects ranging in size from 5\*5\*5 mm<sup>3</sup>-2000\*2000\*2000 mm<sup>3</sup>. Effortlessly scanning small figurines, bolts, faces, human bodies, automobile components, and more.



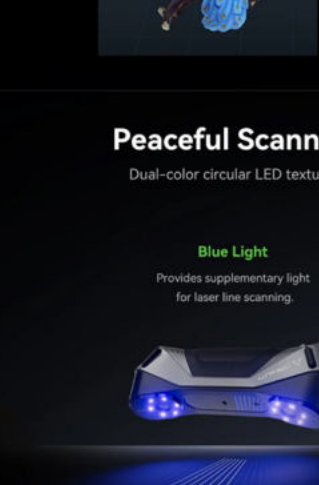
### Anti-shaking for Smooth Scanning

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



### 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.



### 24-bit Full-Color Scanning

Equipped with 12 circular LED texture lights, it can enhance the brightness of color mapping in dark environments and truly present the color of objects.

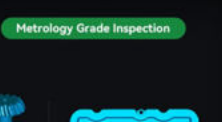


### Peaceful Scanning in Various Environments

Dual-color circular LED texture lights can help achieve more realistic scanning results.

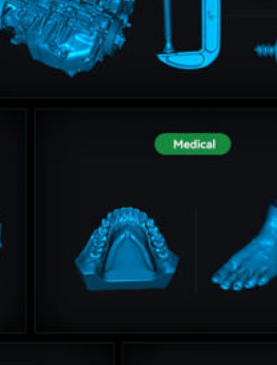
**Blue Light**  
Provides supplementary light for laser line scanning.

**White Light**  
Used to enhance the brightness of color textures.



### Intuitive Experience

Ring indicator light, providing real-time scanning status feedback; Paired with buttons, it offers comfortable and straightforward operation.



### Lightweight and Portable, One-hand Control

**Lightweight 372g**  
Effectively reduces long-term work fatigue.

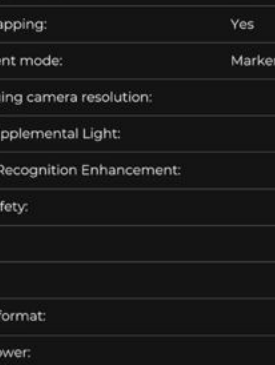
Anti-slip sleeve

Detachable lanyard

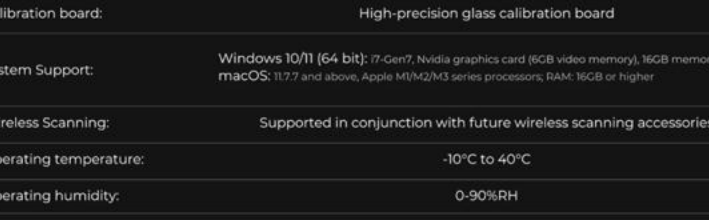


### High Precision Glass Calibration Board

Utilizes high-precision glass substrate calibration board for accuracy calibration, you can maintain the high precision of the scanner, maintain accuracy.



### See Raptor's Wide Applications



### Specifications

Scanning Mode:	Blue Light(Blue 7-line laser)	NIR(infrared binocular structured light)
Accuracy:	Up to 0.02mm @ 100mm [1]	Up to 0.1mm
3D Resolution:	0.02-2mm	0.1-2mm
Scanning Speed:	Up to 60fps	Up to 20fps
Min. scan volume:	5mm x 5mm x 5mm	150mm x 150mm x 150mm
Single Capture Range:	270mmx170mm@300mm	930mmx580mm@1000mm
Working distance:	150mm-400mm	170mm-1000mm
Color Mapping:	Yes	Yes
Alignment mode:	Marker	Marker / geometry / texture
3D imaging camera resolution:	1920x1200	
Color Supplemental Light:	12 white LEDs	
Marker Recognition Enhancement:	12 infrared LEDs	
Laser Safety:	Class I (eye safe)	
Button:	Mechanical	
IMU:	Yes	
Output format:	OBJ/STL/PLY	
Input Power:	12V 2A	
Data interface:	TypeC/USB3.0	
Device Dimensions:	215mmx50mmx74mm	
Device Weight:	372g	
Calibration board:	High-precision glass calibration board	
System Support:	Windows 10/11 (64 bit); 7-Gen7; Nvidia graphics card (8GB video memory), 16GB memory or higher; macOS: 11.7.7 and above; Apple M1/M2/M3 series processors; RAM: 16GB or higher	
Wireless Scanning:	Supported in conjunction with future wireless scanning accessories	
Operating temperature:	-10°C to 40°C	
Operating humidity:	0-90%RH	