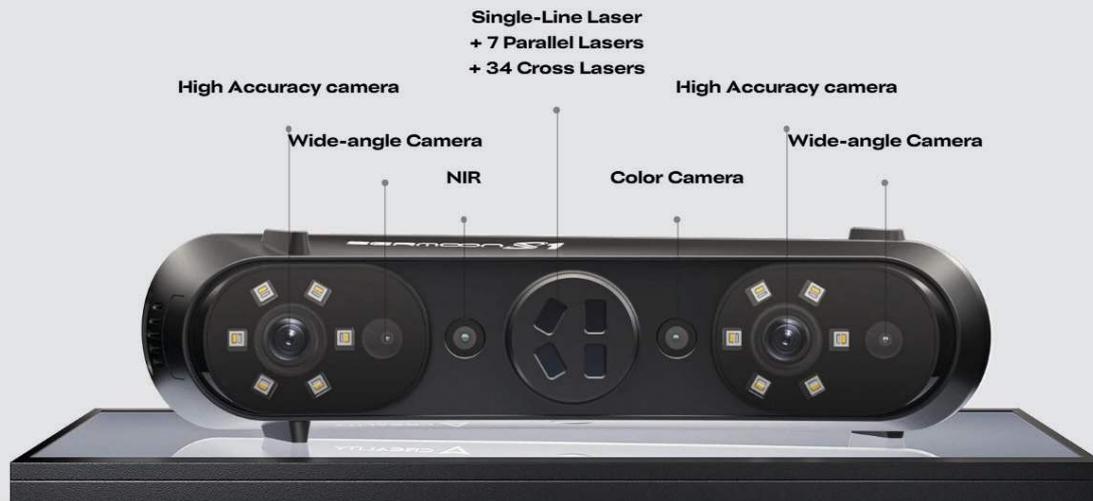


Creality Sermoon S1



Multi-Light Versatility

1 + 7 + 34 Blue Lasers+ NIR

High Accuracy

Volumetric Accuracy: 0.02mm + 0.08mm/m

High Efficiency

- Scanning Speed up to 90 FPS
- Larger FOV for Fasten Scanning of Large Objects
- Innovative 4-Lens NIR Structured Light Enables Efficient, Marker-Free Scanning of Medium to Large Objects.



Versatile Size Scanning

- Scan objects ranging from 5 mm to 4000 mm (from Coins to Entire Vehicles)

User-Friendly

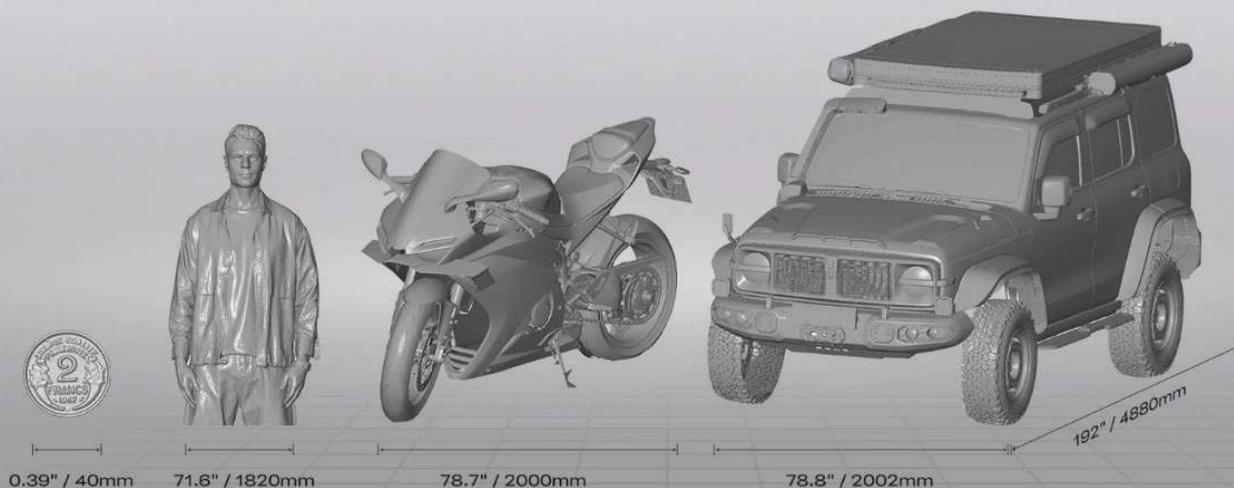
- Spray-free for Black or Metal Surfaces
- Excellent Outdoor Performance
- Marker-Free Scanning for Faces & Large Objects
- Support Wireless Operation(with Optional Accessory)

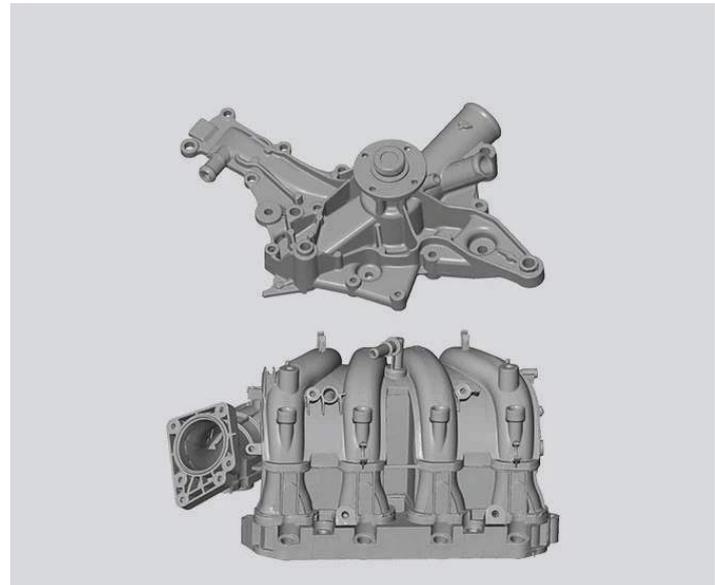
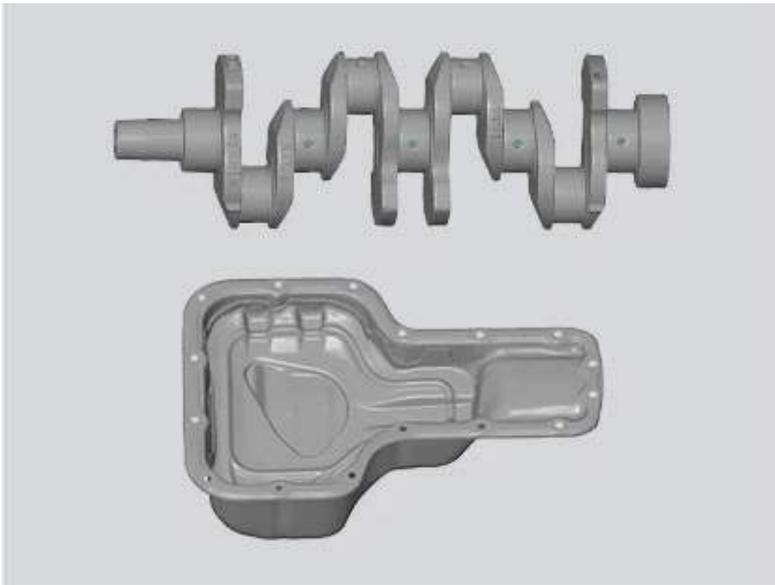
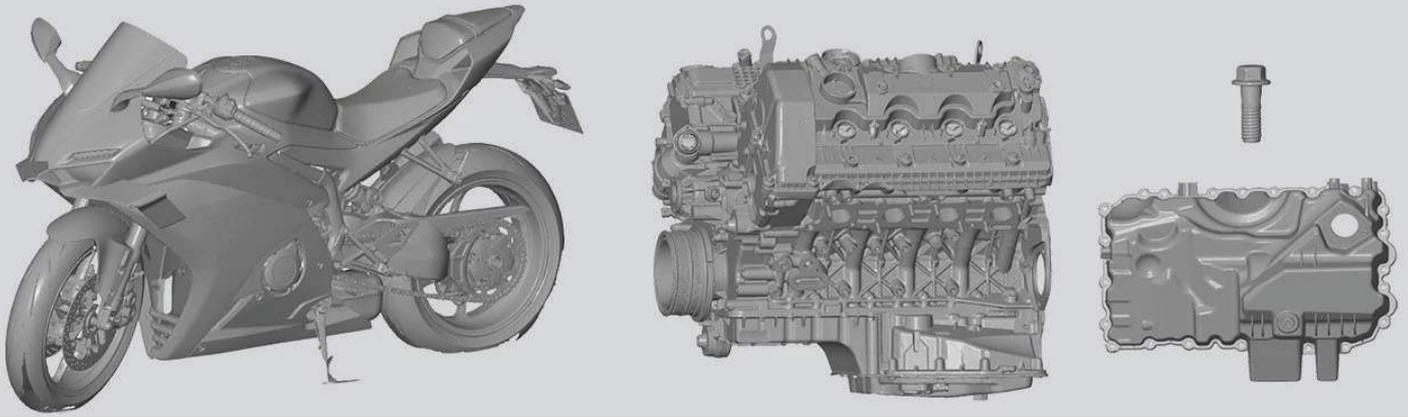
Intelligent

- Temperature Compensation Algorithm for Stable Long-Term Use
- AI-Powered Scanning Software Simplifies Complex Workflows
- Seamlessly Integrates with Professional Software,Supporting Standard Formats for Easy Post-Processing.
- High-Definition Color Reproduction

Scanning Range 5 mm³ - 4000 mm³

With a hybrid system combining blue laser lines and infrared structured light, the Sermoon S1 supports a wide scanning range-from as small as 5 × 5 × 5 mm³ to as large as 4000 × 4000 × 4000 mm³. Ideal for automotive components, coins, bolts, figurines, or even the human body.





Scanning Mode	Single Blue Laser Line	7 Parallel Blue Laser Lines	34 Cross Blue Laser Lines	Close-Range Infrared Structured Light	Long-Range Infrared Structured Light
Accuracy	Up to 0.02mm[1]			Up to 0.075mm	
Volumetric Accuracy	0.02mm+0.08mm/m			0.075mm+0.1mm/m	
Scanning rate	108,000 measurements/s	756,000 measurements/s	1,428,000 measurements/s	4,600,000 measurements/s	
3D Resolution	0.05-2mm			0.1-2mm	
Scanning Speed	Up to 90fps			Up to 30fps	
Min. scan volume	5mm x 5mm x 5mm			150mm x 150mm x 150mm	

Scanning Mode	Single Blue Laser Line	7 Parallel Blue Laser Lines	34 Cross Blue Laser Lines	Close-Range Infrared Structured Light	Long-Range Infrared Structured Light
Single Capture Range	205mm x 147mm@200mm 293mm x 217mm@300mm 355mm x 289mm@400mm 417mm x 361mm@500mm 506mm x 433mm@600mm			293mm x 217mm @300mm 417mm x 361mm @500mm	689mm x 375mm @500mm 1245mm x 754mm @1000mm
Working distance	200mm-600mm	150mm-400mm	200-600mm	170mm-500mm	200mm-1200mm
Color Mapping	Yes				
Alignment mode	Marker / Global Marker			Marker / Global / Geometry / Texture	
Color Supplemental Light	12 White LEDs				
Outdoor Scanning	Below 100,000 lux	Below 50,000 lux	Below 100,000 lux	Below 30,000 lux	
Marker Recognition Enhancement	12 Blue LEDs / 12 White LEDs				
Laser Safety	Class II (eye safe)	Class I (eye safe)	Class II (eye safe)	Class I (eye safe)	
Device Weight	508g				
Size	225mm×53mm×76mm				
Calibration board	High-precision glass calibration board				
Wireless Scanning	Supported in Conjunction with Wireless Scanning Accessories				
System Support	Windows/macOS Android/iOS (Requires Wireless Scanning Accessories)				
Computer Configuration Requirements	Windows: The following or higher configurations are recommended: i7-Gen10 CPU, Nvidia GPU (8GB VRAM), 32GB RAM, Windows 10/11 (64-bit) Minimum configuraiton: i7-Gen7 CPU, Nvidia GPU (6GB VRAM), 16GB RAM, Windows 10/11 (64-bit) macOS: M1/M2/M3/M4 series, 16GB RAM				
Wireless Scanning	Supported in Conjunction with Wireless Scanning Accessories				



Scanning Mode	Single Blue Laser Line	7 Parallel Blue Laser Lines	34 Cross Blue Laser Lines	Close-Range Infrared Structured Light	Long-Range Infrared Structured Light
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Operating temperature	-10°C to 40°C				
Operating humidity	10-90%RH				

[1] Accuracy is evaluated in laboratory conditions and actual results may be affected by operating environments such as vibration, temperature, and other factors.

