

Creality Sermoon P1

All-in-One. All-in-Flow.



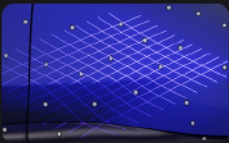
22+7+1 Blue Laser Lines + NIR

22 Cross Laser Lines

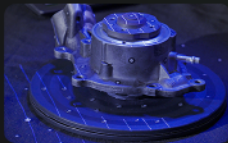
7 Parallel Laser Lines

1 Blue Laser Line

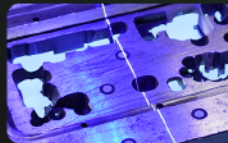
NIR Structured Light



Fast



Details



Holes



Replaceable Batteries
3500mAh*2



Scan Black / Metal Surface
Without Sprays



Triple Work Modes



Standalone Mode
Up to 60FPS



Wireless PC Mode
Up to 100FPS



Wired
Up to 100FPS

Volumetric Accuracy
0.02mm+0.08mm/m



Powerful Hardware



Qualcomm 8-core
3.36 GHz CPU



Adreno
740 GPU



48 TOPS
DSP



FPGA Image
Processor

Objects Between
5 mm³ - 4000 mm³





Automotive Customization



Reverse Engineering



Digital Entertainment



Cultural Heritage Preservation

Product Parameters

Scanning Mode	Deep Hole Scanning	Detailed Scanning	High Speed Scanning	Markerless Scanning	
	Single Blue Laser Line	7 Parallel Blue Laser Lines	22 Cross Blue Laser Lines	Close-Range Infrared Structured Light	Long-Range Infrared Structured Light
Accuracy	Up to 0.02mm[1]			Up to 0.075mm [1]	
Volumetric Accuracy	0.02mm+0.08mm/m			0.075mm+0.1mm/m	
Scanning Rate	102,000 measurements/s	716,000 measurements/s	1,740,000 measurements/s	6,881,000 measurements/s	
Scanning Speed	Up to 100fps			Up to 30fps	
3D Resolution	0.05-2mm			0.1-2mm	
Min. Scan Volume	5mm x 5mm x 5mm			150mm x 150mm x 150mm	
Single Capture Range	85mm x 105mm @160mm 135mm x 130mm @200mm 265mm x 200mm @300mm 310mm x 265mm @400mm 380mm x 365mm @550mm			135mm x 130mm @200mm 265mm x 200mm @300mm 310mm x 265mm @400mm	689mm x 375mm @500mm 1245mm x 754mm @1000mm 1450mm x 1020mm @1200mm
Working Distance	160-400mm	160-400mm	200-550mm	170-400mm	200-1200mm
Color Mapping	Yes				
Alignment Mode	Marker / Global Marker			Marker / Global Marker / Geometry / Texture	
Outdoor Scanning	Below 100,000 lux	Below 50,000 lux	Below 100,000 lux	Below 30,000 lux	
Laser Safety	Class II (eye safe)			Class I (eye safe)	
Processor	Qualcomm 8-core 3.36 GHz CPU, Adreno 740 GPU, DSP (48 TOPS) & FPGA				
Built-in RAM	24GB LPDDR5X				
Built-in Storage	256GB UFS 4.0				
Battery Capacity	3500mAh*2 (Replaceable Batteries)				
Operating Mode	Standalone Mode/Wired PC Mode/Wireless PC Mode				
WiFi	WiFi 7				
Device Weight	850g				
Size	209mm x 129mm x 54mm				
System Support	Windows/macOS				

[1] Accuracy is evaluated in laboratory conditions and actual results may be affected by operating environments such as vibration, temperature, and other factors. All specifications are subject to change. The final product may vary. Data for reference only.