

EinScan[®] HX

Hybrid Blue Laser & LED Light Source
Handheld 3D Scanner



TECHNICAL SPECIFICATIONS

EinScan HX



Scan Mode	Rapid Scan	Laser Scan
Scan Accuracy	Up to 0.05mm	Up to 0.04mm
Volumetric Accuracy*	0.05+0.1mm/m	0.04+0.06mm/m
Scan Speed	1,200,000 points/s 20FPS	480,000 points/s 55FPS
Camera Frame Rate	55FPS	55FPS
Align Mode	Feature Alignment, Markers Alignment, Texture Alignment, Hybrid Alignment	Markers Alignment
Working Distance	470mm	470mm
Depth of Field	200mm–700mm	350mm–610mm
Max FOV	420mm*440mm	380mm*400mm
Point Distance	0.25mm – 3mm	0.05mm–3mm
Light Source	Blue LED	7 Blue Laser Crosses
Safety	Eye-safe	Class I (Eye-safe)
Built-in Color Camera	Yes	
Texture Scan	Yes	No
Connection Standard	USB3.0	
Output Formats	OBJ; STL; ASC; PLY; P3 ; 3MF	
Dimensions	108mmx110mmx237mm	
Weight	710g	
Operating Temperature Range	0–40°C	
Operating Humidity Range	10–90%	
Certifications	CE, FCC, ROHS, WEEE, KC	
Recommended Configuration	OS: Win10, 64 bit; Graphics card: NVIDIA GTX/RTX series cards, higher or equal to GTX 1080; Video memory: ≥4G; Processor: I7–8700; Memory: ≥32GB	

* Volumetric accuracy refers to the relationship between 3D data accuracy and object size; the accuracy is reduced by 0.1mm (rapid scan)/0.06mm(laser scan) per 100cm.The conclusion is obtained by measuring the center of sphere under marker alignment.