

Speed Scanner X10



Take-&-Scan: The system is ultra-lightweight and has a built-in integrated design for one-touch acquisition



Target-free stitching - in a variety of modes with proven and reliable internal data processing software



Dual scan mode - Standard/high precision dual scan mode to meet the data needs of different scenarios



Specification			
System parameters		Laser unit	
Main body weight	3.2kg	Scanning principle	mechanical rotation
Size	L125×W113×H275mm	Laser class	Class I
Average power consumption	28W	Laser wavelength	905nm
Power supply time ^①	6h/group	Maximum distance	0.5m~100m@20% reflectivity
Field of view	Horizontal 360°, Vertical 268°	Point frequency	320000pts/s
Storage method	USB 64GB		
Operating temperature	-10°C~50°C	Camera Unit	
Storage temperature	-20°C~60°C	Physical dimension	L66×W22.5×H160mm
Adaptation platform	Aluminum alloy tripod	Viewable range	360°
Shipping box	Package L428×W350×H230mm	Image resolution	18 million (6080×3040)
Working Performance			
Repeatability ^②	1cm@100m ^⑤		
Ranging accuracy ^③	1cm@10m, 2cm@30m, 5cm@100m ^⑤		
Fastest scan time	45s		
Dot density ^④	10m: 25000pts/m ² , 30m: 3200pts/m ² , 100m: 300pts/m ²		
Notes:			
① Tested at 25°C ~ 27°C, charging time and power supply time will vary depending on conditions			
② Repeatability accuracy: Affected by target distance, ambient temperature and target reflectivity. Typical values are the average of the thickness of data collected by multiple devices at a distance of 0.5~100m, at an ambient temperature of 25°C and when the target is a flat wall			
③ Range accuracy: influenced by distance to the target, ambient temperature and target reflectivity. Typical values are the average of each channel when the distance is 0.5~70m, the ambient temperature is 30°C and the reflectivity of the target is 50%.			
④ Point cloud density: influenced by target distance, ambient temperature and target reflectivity. Typical values are the average of point cloud densities from multiple devices at a range of 0.5 to 100m, ambient temperature of 25°C and a flat wall target			
⑤ All values based on 1σ			

