

CH Series 120/64-Channel LiDAR (Hybrid Solid-State)



Specifications

Model		CH120	CH64
Channel		120	64
Measurement Technique		TOF	TOF
Wave Length		905nm	905nm
Laser Classification		Class 1 Eye-safe/ IEC 60825-1:2007 & 2014	Class 1 Eye-safe/ IEC 60825-1:2007 & 2014
Measurement Range		100m	100m / 150m / 200m at 20%
Ranging Accuracy		±2cm	±2cm
Data Points Generated		MAX 480,000 points per second	MAX 426,000 points per second
Rotation Rate		5 ~ 20Hz	5 ~ 20Hz
Field of View (FOV)	Horizontal	48°	120°
	Vertical	-13°~ 7°	-13.33°~ 7.67°
Angular Resolution	Horizontal	5Hz:0.06°/ 10Hz:0.12°/ 20Hz:0.24°	5Hz:0.09°/ 10Hz:0.18°/ 20Hz:0.27°
	Vertical	0.167°	0.33°
Operating Voltage		9V~ 36VDC	9V~ 36VDC
Operating Temperature		-40°C ~ 85°C	-40°C ~ 85°C
Communication Interface		1000M Ethernet , PPS	1000M Ethernet , PPS
Shock Test		500m/sec ² , last11ms	500m/sec ² , last11ms
Vibration		5Hz-2000Hz , 3G rms	5Hz-2000Hz , 3G rms
IP		IP 67	IP 67
Weight		2.5kg	1.5kg
Dimension (L·W·H)		152.5 * 98*133.2mm	155 * 107.5 * 90mm