



Appearance		
Light source	Infrared laser (905nm)	
Laser safety level	Class I (GB7247.1-2012, human eye safety)	
Laser spot light diameter	10mm	
Laser spot light scan angle	2.0(H)×8.0(V)mrad	
Scanning angle range	360°	
Scanning frequency	10Hz/20Hz	
Scanning angle resolution	0.05° /0.1°	
Sensing range	0.2m ~100m	
RSSI Measurement Range	3% ~1000% (reflector)	
10% reflectivity range	20m	
Outdoor performance	Anti-sunlight, anti-dirt, support smoke penetration, use under non-rainfall conditio	
Measurement data	Composite data (distance + RSSI)	
Measurement error	System error (typical)	Distance measurement: 25mm(1m~20m) / 40mm(20m~50m); RSSI measurement: 2%(1m~20m) / 4%(20m~50m)
	Statistical error (1σ)	Distance measurement: 10mm(1m~20m) / 20mm(20m~50m); RSSI measurement: 1%(1m~20m) / 2%(20m~50m)
Self-test equipment	Content: Dirty/blocking/high temperature/low temperature of the translucent cover	
Ethernet	Rate: 10/100 Mbps; function: device configuration/measurement data output	
I/O Input	Quantity: 3; Type: level input (vs. general input common ground "GND IN"); high level range: 9V ~ 30V DC; low level range: 0V~0.7V DC; Preset function: power saving and life extension control (In2 / In3), effective level: high lev	
I/O Output	Quantity: 3; Type: PNP switch output (vs. power supply positive terminal); Power-on state: off; Preset function: equipment on Thread (OUT), effective state: op	
Indicator light	Quantity: 4; Definition: PWR: power indicator; LNK: Ethernet indicator; ERR: working failure indicator; HTR: normal measurement indicator	
Operating voltage	9V~30V DC	
Power	5W@DC 24V	
Outer covering protection rank(IP)	IP65(GB4208~2008)	
Insulation resistance	1MΩ (GB16796~2009.5.4.4)	
Dielectric strength	0.5KV(GB16796~2009.5.4.3)	
Weight	0.7kg	
Dimension(L×W×H)	97.0×97.0×72.0(mm)	
Electromagnetic compatibility (EMC)	Electrostatic discharge	6KV (GB/T17626.2~2006, Class 3)
	Fast bursts	1KV (GB/T17626.4~2008, Class 2)
	Electromagnetic field radiation immunity	GB/T17626.3~2006, Class 2
Surge immunity	GB/T17626.5~2008; Power interface: 1.2/50μs, 2KV/1KA (Class 3) ; Ethernet interface: 10/700μs, 1KV/25A (Class 2) ; I/O interface: 1.5/50μs, 0.5KV/0.25KA (Class 1) ;	
Impact	GB/T 2423.5	
Single impact	15g, 11ms	
Continuous impact	10g, 16ms	
Vibration	GB/T 2423.10	
Frequency Range	10Hz~150Hz	
Amplitude	5g	
Humidity	93%, +40°C, 2h (GB/T 2423.3)	
Operating temperature range	-10°C~+50°C	
Storage temperature range	-30°C~+70°C	
Ambient illumination range	≤80,000lux	
Model NO.	AS-100C	

- Fiber Optic
- Slot Sensors
- Photoelectric
- Laser
- Proximity
- Displacement
- Magnetic
- Contact
- Area
- Ultrasonic
- Vision
- Code Readers
- Vibration
- Temperature
- Accessories

Guidance

- Light curtains
- Standard type
- Top-emitting type
- Side-emitting type
- Waterproof type
- Measuring type
- Economical type

- Safety Light Curtain
- Beam pitch 10mm
- Beam pitch 20mm
- Beam pitch 30mm
- Beam pitch 40mm

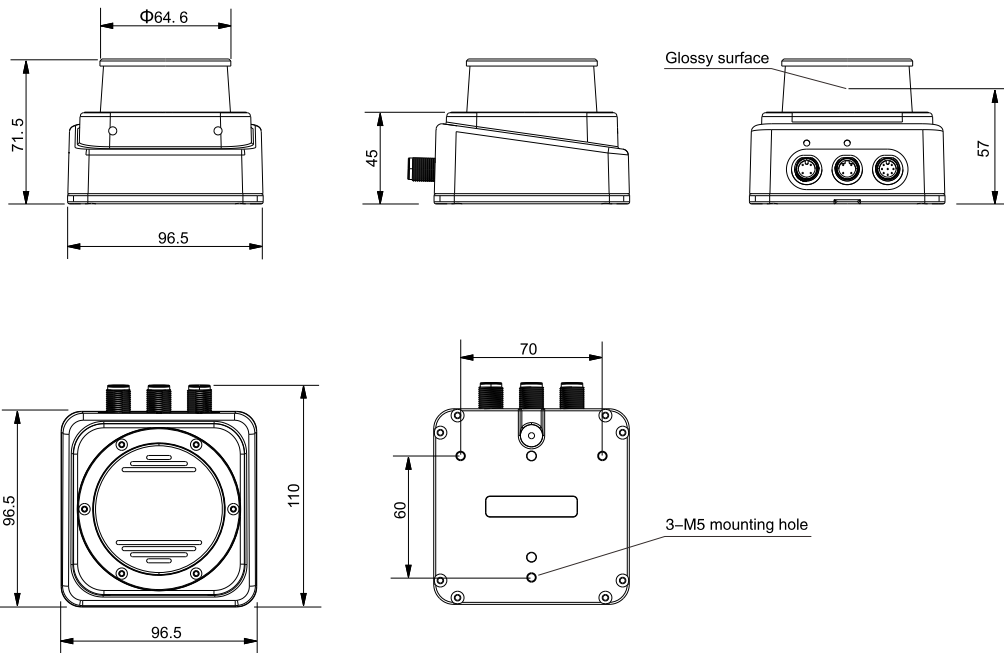
- LIDAR scanner
- TOF LIDAR scanner
- MINI LIDAR scanner
- Navigation LIDAR

LiDAR Scanner

Dimensions

Unit:mm

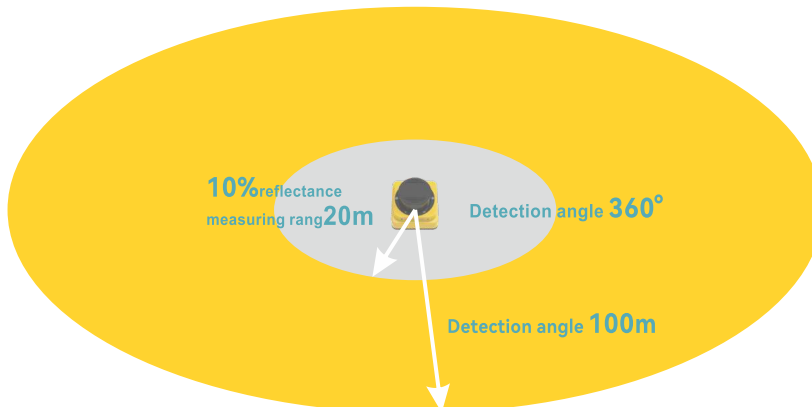
Area




Power connector

	Socket	Types	Number of terminal
	Power supply	M12(Type A), Male	4
	Etherne	M12(Type B), Male	4
	I/O	M12(Type B), Male	8

Measuring coordinate system/scanning range/range








Indicator Lights and Operation Buttons

	Name	Description
	PWR	Power Indicator <ul style="list-style-type: none"> ◆ Normal off: no power / power is invalid ◆ Constant light: power on
	LNK	Ethernet indicator <ul style="list-style-type: none"> ◆ Always off: no network connection ◆ Always on: there is a network connection
	ERR	Work failure indicator <ul style="list-style-type: none"> ◆ Starting state: bright (about 24 seconds) ◆ Always off: no fault ◆ Always on: internal fault/measurement abnormal¹ ◆ Long flashing (0.5Hz): high temperature/low temperature alarm ◆ Short flashing (1Hz): Dirty/obstructed light transmission cover
	HTR	Normal measurement indicator <ul style="list-style-type: none"> ◆ Starting state: off ◆ Always off: the device has not started to measure ◆ Always on: the equipment is measuring normally

- 1: Including measurement stop and motor stop;
 2: Including being blocked by dense fog.

Accessories

					Mounting screws, washers And easy installation tools
Mounting bracket: AS-100C-AT set	M12 dust plug Comes with	Power cable: AS-100C-ECA	RJ45 network cable: AS-100C-IOCB A	I/O cable: AS-100C-IOCB A	Parts and accessories: M5x8 set

Guidance

Light curtains

- Standard type
- Top-emitting type
- Side-emitting type
- Waterproof type
- Measuring type
- Economical type

Safety Light Curtain

- Beam pitch 10mm
- Beam pitch 20mm
- Beam pitch 30mm
- Beam pitch 40mm

LIDAR scanner

- TOF LIDAR scanner
- MINI LIDAR scanner
- Navigation LIDAR