AS-33C

TOF Principle

Sensing principle	TOF
Laser wavelength	905 nm
Max. Sensing range	10 m (70% reflectivity)/4 m (10% reflectivity)
Scanning angle range	270°
Sampling frequency	18 KHz / 54 KHz
Scanning frequency	25 Hz
Resolution	0.5°
Measuring accuracy	± 2 cm (within the range of 10 m)
Response time	40 ms
Startup relay	< 10 s
Channels	64 channels (each channel contains 3 detected areas)
Detection output delay	0 – 2 s , adjustable
Detection delay	0 – 2 s , adjustable
Detected size	0 – 5° , size
Switch input	Quantity: 6 (NPN)
Switch output	Quantity: 4 (3 for area signal，1 for warning)
Indicator	Quantity: 4 (3 for area signal，1 for warning)
Communication interface	USB–TYPE C (serial port)
Operating voltage	DC 9 V – 28 V
Power consumption	Power Rating：< 1 W（no load） Starting power：< 3 W（no load）
Working temperature	–10 ℃ to 50 ℃
Storage temperature	–20 ℃to 70 ℃
Humidity	Less than 85%, non–condensing
Protection degree	IP65
Ambient brightness	80000 Lux
Weight	171 g
Size	50 mm(L) * 50 mm(W) * 72 mm(H)
Model	**AS-33C**

LiDAR Scanner

Specification

Unit: mm