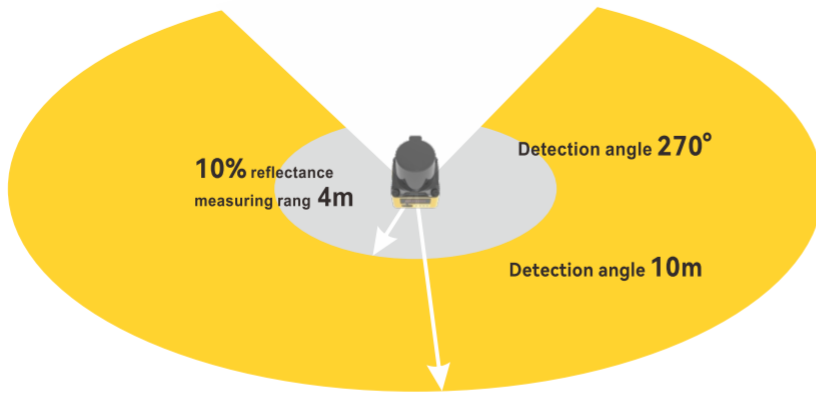


AS-33C

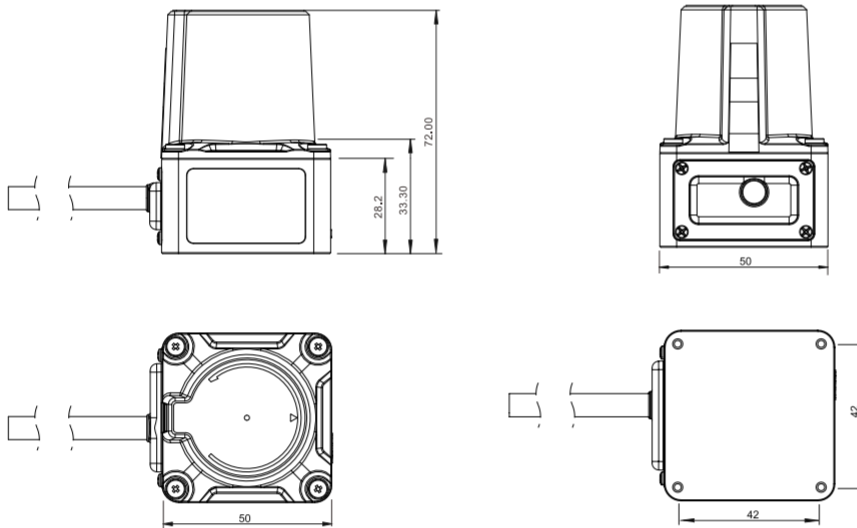


Basic Features	Working Principle		Time-of-Flight
	Sensing method		Diffuse
	Light source	Wavelength	Red laser(905nm)
		Laser class	Class 1
	Laser spot	Diameter	4.5x2.0mm
		Divergence angle	1.2(H)*4.0(V) mrad
	Aperture angle		270°
	Angular resolution		0.5°
	Scanning frequency		25Hz
	Sampling frequency		18K/54KHz
	Measuring distance	70% remission	10m
		10% remission	4m
	Error	Systematic error	-
		Statistical error	±2cm
	Indicator		3↑(3 Area/1 Error)
Electrical Data	Operating Voltage		9~28V DC
	Power consumption	Typ.	1W
		Max.	3W
	Response time		40ms
	Star-up time		<10s
	Serial Interface		Type-C
Environmental Conditions	Operating Temperature		-10°C~+50°C (No Freezing)
	Storage Temperature		-20°C~+70°C (No Freezing)
	Operating Humidity		5%~85% RH (No Condensation)
	Ambient illumination		≤80,000Lux
	Vibration resistance		500m/s², 11ms, 3 times each in X/Y/Z directions
	Enclosure rating		IP65
Mechanical Data	Connection		Cable
	Dimensions		50x50x72mm
	Housing material		Aluminum
	Weight		171g
	Accessories		Nuts
Model		AS-33C	



Dimensions

Unit: mm



Laser

Contact

Confocal

Profiler

Encoder

Lidar

Selection Guide

LIDAR

Solid-state LIDAR