

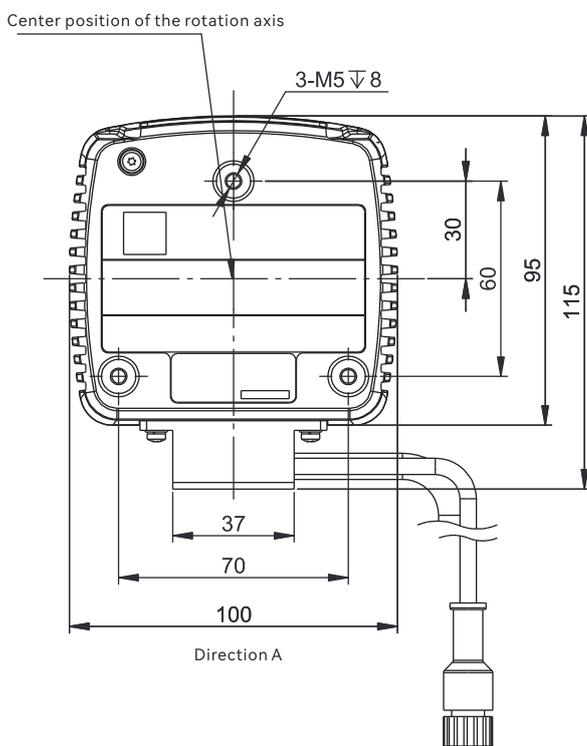
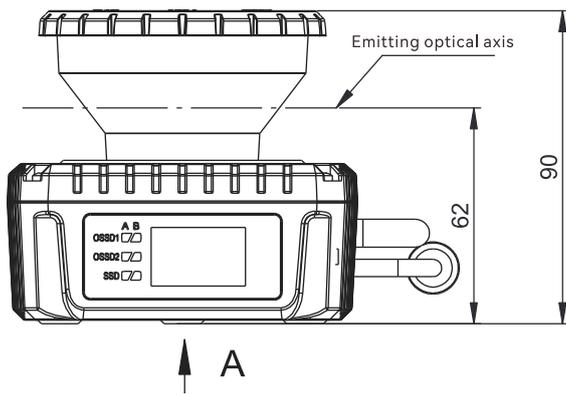
Lidar

AS-60C



Basic Features	Working Principle		Time-of-Flight
	Sensing method		Diffuse
	Light source	Wavelength	Red laser(905nm)
		Laser class	Class 1
	Laser spot	Diameter	<5mm
		Divergence angle	10mrad
	Aperture angle		270°(45°~315°)
	Angular resolution		0.167°
	Scanning frequency		33.33Hz
	Sampling frequency		72K/Hz
	Measuring distance		40m
	Error	Systematic error	0.167°
		Statistical error	-
	Indicator		Red: Alarm; Green: Normal
Electrical Data	Operating Voltage		16.8~30V DC
	Power consumption	Typ.	3.9W
		Max.	15.9W
	Response time		≥70ms
	Star-up time		≤12s
	Serial Interface		Ethernet/CAN
	Protection Circuit		Reverse Polarity Protection / Overcurrent Protection
Environmental Conditions	Operating Temperature		-10°C~+50°C (No Freezing)
	Storage Temperature		-25°C~+70°C (No Freezing)
	Operating Humidity		5%~95% RH (No Condensation)
	Ambient illumination		≤40,000Lux
	Vibration resistance		500 m/s², 11 ms, half-sine wave, 3 times each in the X/Y/Z directions
	Enclosure rating		IP65
Mechanical Data	Connection		Cable
	Dimensions		106.6x80.2x117.5mm
	Housing material		Aluminum
	Weight		67g
	Accessories		Nuts
Model	4 Area Groups		AS-60C4
	8 Area Groups		AS-60C8
	16 Area Groups		AS-60C16
	32 Area Groups		AS-60C32
	64 Area Groups		AS-60C64

Unit: mm



Laser
Contact
Confocal
Profiler
Encoder
Lidar
Selection Guide
LIDAR
Solid-state LIDAR