

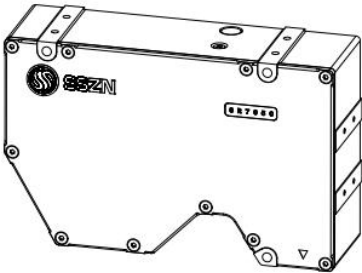
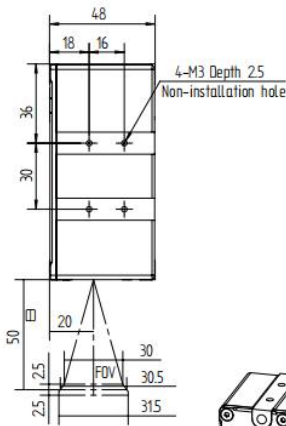
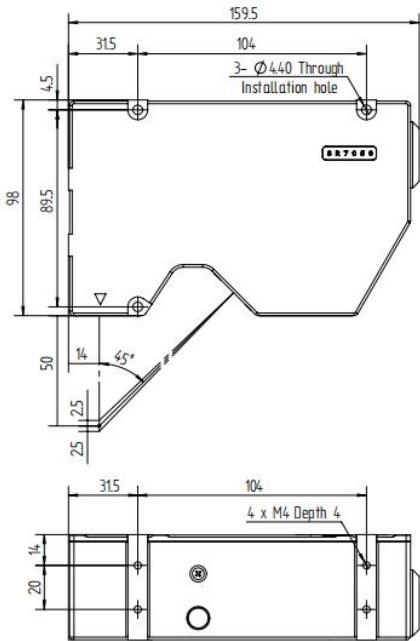
SR7050

Sensor head

Specification

Model			SR7050
Reference distance (CD)			50mm
Measuring range	Z-axis height (FS)		5mm
	X-axis width	Near-end	30mm
		Reference distance	30.5mm
		Far-end	31.5mm
Light source	Light source wavelength		405nm
	Laser class		2M
	Laser output power		10mW
Repeatability	Z axis (height)		0.2um
	X-axis (width)		2.5um
Linear	Z axis (height)		±0.05% of FS
Contour data interval	X-axis (width)		10um
X-axis contour points			3200
Scanning speed (Hz)			2500-10000
Temperature characteristics			0.02% of F.S./°C
I/O interface			8 programmable input interfaces, 8 programmable output interfaces
Encoder interface			Single-ended and differential encoder each
I/O			1 RS232 interface, 1 100Base-TX/1000Base-T Ethernet interface
Operating temperature			0-45°C
Storage temperature			-20-70°C
Working humidity			35%-85% without condensation
ESD protection			Contact discharge 4kV, air discharge 8kV, conforms with IEC61000-4-2
EFT Protection			Power port 2kV/5 or 100kHz, signal port 1kV/5 or 100kHz, conforms with IEC61000-4-4
Impact			50Gs/3ms per axis, conforms with IEC 68-2-27 Ea
Vibration			10Gs (10-500Hz), conforms with IEC 68-2-6 Fc
IP rating			IP67, conforms with IEC 60529
Dimensions (mm)			160x 98x48
Data cable (wiring) model			SCB-HCAM-HB1-3m, SCB-HCAM-HB1-10m
Weight			750g

Product Size



Name	SR7050 Installation Diagram			Material		Drawing		Quantity	PCS
Device Name				Finishing				Date	January 28, 2021
Part Number	7050			SSZN SHENZHEN SINCEVISION TECHNOLOGY CO., LTD					
Precision for unmarked tolerance	Size	0-10	10-20	20-50	50-100	Angle	0.25	Projection	Scale 1:2
	Thick	+0.1	+0.2	+0.3	+0.4	Roughness	1.6	(First-angle)	Version
	Medium	+0.07	+0.1	+0.2	+0.3				
	Thin	+0.05	+0.07	+0.1	+0.2				