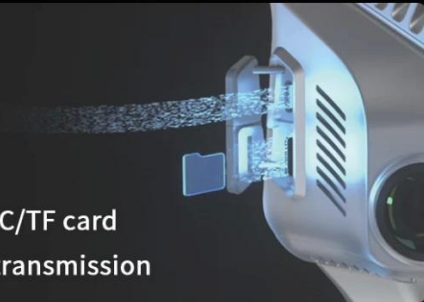
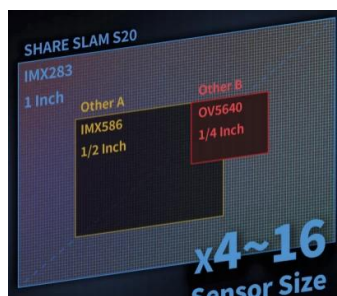


3D LIDAR SLAM S20

产品特点

 Integrated lightweight body	Type-C fast charging Aluminum alloy material	Bluetooth + WIFI6 One-touch connection
 Quick-dismantle battery handle	 Type-C/TF card data transmission Centering Rod new reinforced connection kit	Operation time up to 150 minutes Newly upgraded RTK antenna Standard upgraded positioning board for GCP



1. 2.4μm CMOS 16MP 1/2 Inch



2. 2.4μm CMOS 16MP 1/2 Inch



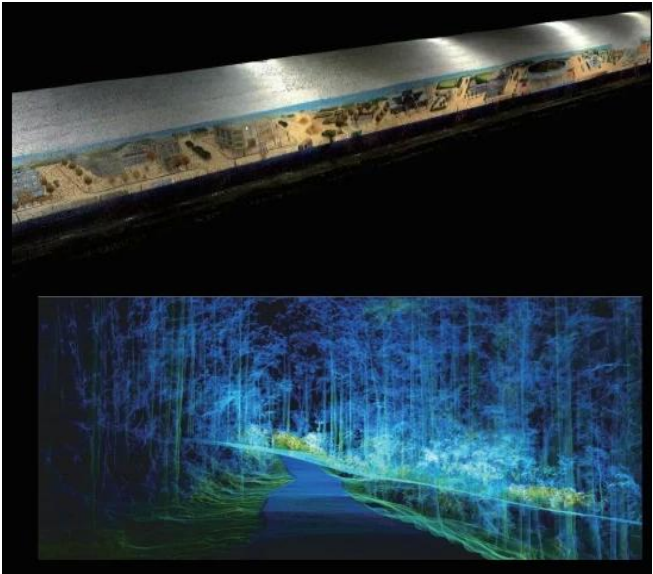
SHAR 3D LiDAR sensor unit. The sensor is designed for high-precision 3D mapping and navigation. It features a compact, rugged design with a blue light indicator for status monitoring.



The robot is equipped with the SHAR 3D LiDAR sensor for autonomous navigation. It is compatible with the Open SDK for integration with various robotic platforms.



The 3D model is generated using BIM/CAD software. It shows the internal structure and external features of the building, including windows and doors.



The top image shows a 3D point cloud of a landscape, and the bottom image shows a 3D point cloud of a forest. Both are generated using SLAM RTK LIDAR technology.



The 3D point cloud is generated using SLAM 3DGS technology. It provides a detailed 3D representation of the room's geometry and furniture.



The 3D point cloud is generated using SLAM RAW technology. It captures the intricate details of the gate structure and its surroundings.

SHAR 3D LiDAR sensor unit	
Weight	1,07 kg
Battery	14,8V 3150 MAH
Range	150m
Power	USB-C 30W
Storage	256 GB SD
Protection	IP54

Temperatura	-20°C-55°C
Altezza antenna	1,5m
Altezza base	1,5m
Altezza totale	3m
Altezza base	1,5m
Altezza antenna	1,5m
Altezza totale	3m
Altezza base	1,5m
Altezza antenna	1,5m
Altezza totale	3m
Lidar Fov	H 360° -V 52°H 360° -V 52°H 360° -V 52°
Lidar range	100m
Lidar resolution	200,000 points/s
GNSS module	POS
RTK	Yes
RTK accuracy	H 0,8cm 1ppm -V 1,5cm 1ppm
RTK mode	Static
RTK antenna	2
RTK base	2400m/s
RTK base	1200m/s
RTK base	360°*270°
RTK base	.png
RTK base	
RTK base	1cm/s
RTK base	1cm/s
RTK base	5cm/s
RTK base	1cm/s
RTK base	.las.pcd.ply
Point cloud	1cm/s
Point cloud	iOS.Android
Point cloud	1cm/s
Point cloud	1cm/s