CS40/CS40-Pro: Industrial LiDAR

Synexens

Features

- Designed for outdoor environment (up to 100Klux)
- Integrate a powerful application processor to offload external high expensive processor requirement.
- Supports TCP/IP industrial ethernet interface port for easy long-distance deployment.

Applications

- Industrial safety area protection
- Outside engineering car driving assistance and protection
- Unmanned Delivery Vehicle
- Industrial distance measurement



Technical Specifications		
Depth Resolution	640x480	640×480
Range	0.3-4m, outdoor	0.3-10m, outdoor
VCSEL Wavelength	940nm	940nm
Accuracy	±1% @ 90% reflectivity	±1% @ 90% reflectivity
FoV	H90° x V70°	H72° x V55°
Interface	100M Ethernet, RS485	1000M Ethernet, RS485
Operation System	Windows, Linux, ROS	Windows, Linux, ROS
Working Temperature	-20 ~ 75°C	-40 ~ 85°C
IP Rating	IP67	IP67

CS40: Applications



CS40-Pro: Applications



Solutions for Industrial (CS20, CS40)

Synexens

Unmanned forklift







Pallet identification and obstacle avoidance

Robot arm



Visual Guidance

Companion robot



obstacle avoidance

Quality Control

Synexens

Test Report issued under the responsibility of



- Synexens always adheres to the principle of "Quality First" with strict requirements first
- ROHS、CE、FCC、Laser CLASS 1 Certification



Product Name: CS20

Serial No.:



TEST REPORT	
IEC 60825-1	
 Safety of laser products -	

Part 1: Equipment classification and requirements

Report Number...... GZEE211100325231

Tested by (name + signature)......: Simon Chen / Project Enginee SIMN CLEN

Approved by (name + signature)..: Alex Tan / Reviewer Hox Tan

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Name of Testing Laboratory SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou preparing the Report....... Branch

ing the Report...... Branch

pplicant's name....... Shanghai Xiyin Technology Co., Ltd.

Address Building C, No. 888, Huanhu West 2nd Road, Special Area of China

(Shanghai) Pliot Free Trade Zone, Shanghai, China

Manufacturer's name.....: Same as applicant

Address Same as applicant

Test specification:

Test Report Form No.

Standard: EC 60825-1:2014

Test procedure.....: Test Report

Non-standard test method...... N/A

Test Report Form(s) Originator: SGS-CSTC

Naster TRF...... Dated 2021-09-02

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