中国认可
检测
TESTING
CNAS L3923

Test Report

Report No.: HCT18IR-1285RC Date: 2018/09/28

Applicant: Hypersen Technologies Co., Ltd.
Address: A526, Baoan Intelligence Valley, No.4 Yintian Rd., Xixiang Street, Baoan Dist., Shenzhen City, Guangdong Province, China

Sample information

Sample Name: Solid-State LiDAR
Sample Model: HPS-3D SERIES
Amount of sample: 1pcs
Sample Received Date: 2018/09/26
Testing Period: 2018/09/27~2018/09/28

Test Requested:

Test Sequence	Test Item
1	IP6X test
2	IPX7 test

Test Method: According to IEC 60529:1989+A1:1999+A2:2013 and the clients' requirement

Test Result: Please refer to following pages

Shenzhen Hongcai Testing Technology Co.,Ltd. HCT

Tested by: Weiming Luo
Checked by: Toby Zhang
Signed for and on behalf of HCT: Joseph Li, Manager

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1.Test item: IP6X test

（1）Detection equipment and instruments

Instrument name	Model	Serial No.	Equipment manufacturers	Valid Date to
Test prober	Φ1.0mm	HCT-SE078	Zhilitong	2019/07/09
Dust tester	WH-SC1000	HCT-SE166	WEWON	2018/10/20

（2）Environmental Conditions:

Temperature: 24℃ Humidity: 66%RH

（3）Tested Sample： Sample 001

（4）Test Basis： IEC 60529:1989+A1:1999+A2:2013

（5）The test performed in accordance to the criteria listed above, and under the conditions as below:

1) The Test prober of 1 mm diameter is pushed against any opening of the sample with force of 1 N
2) Set the sample in the dust chamber, the pressure inside the enclosure is maintained below the surrounding atmospheric pressure by a vacuum pump (Pump speed: 15 mL/min,less than 40 times of the shell volume per hour; the differential pressure between the containment and the atmosphere: 2 kPa)
   The talcum powder to be used is 2 kg/ m^3 of the test chamber volume;
   Test duration: 8 h

（6）Test results

Sample No.	Sample name	Test Results
001	Solid-State LiDAR	Test prober can not penetrate into opening of the sample. No dust entered into the sample, the sample passed the IP6X test.

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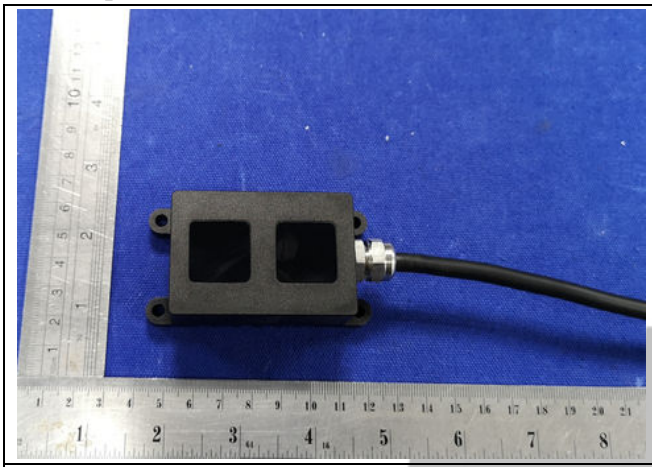
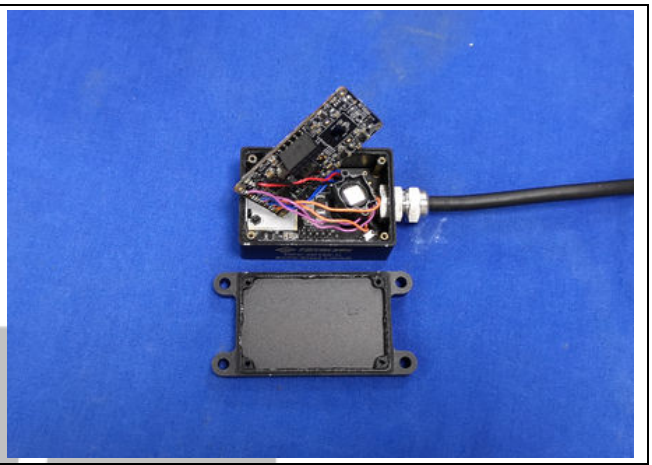
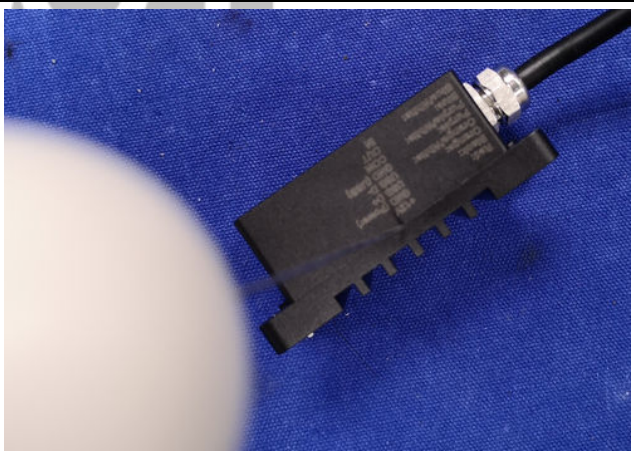
（7）Test photos

	
Before test	After test
	
In test	Probe test

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2.Test item: IPX7 test

（1）Detection equipment and instruments

Instrument name	Model	Serial No.	Equipment manufacturers	Valid Date to
Water immersion test device	DMS-P078	HCT-SE171	DAMS	2018/10/20

（2）Environmental Conditions:

Temperature: 24℃ Humidity: 66%RH

（3）Tested Sample： Sample 001

（4）Test Basis： IEC 60529:1989+A1:1999+A2:2013

（5）The test performed in accordance to the criteria listed above, and under the conditions as below:

1) Depth of water: 1 m
2) Test duration: 0.5 h

（6）Test results

Sample No.	Sample name	Test Results
001	Solid-State LiDAR	No water entered into the sample, the sample passed the IPX7 test.

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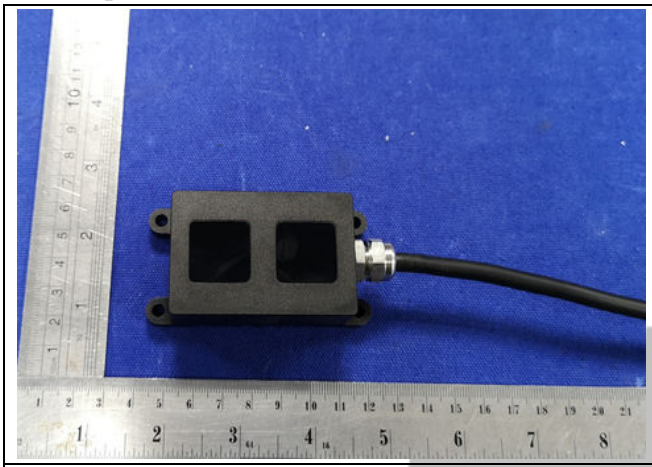
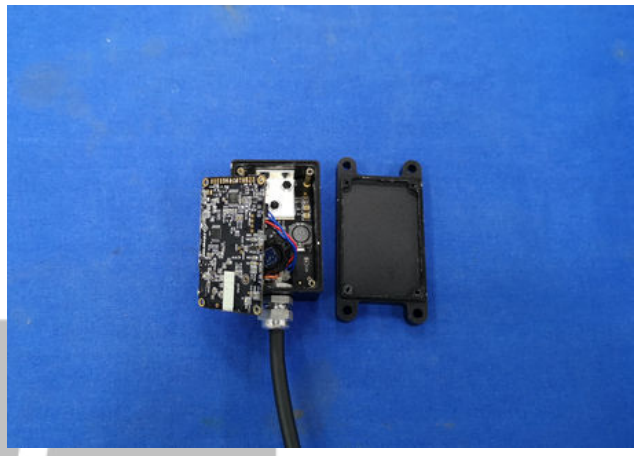
（7）Test photos

	
Before test	After test
	/
In test	/

***** End*****

This report will go into effect with HCT stamp. This report could not be revised. This report is only responsible for the test result of submitted samples. Without written authorization, any copy of this report for propaganda is invalid.