

TEST REPORT

Applicant's Name : DexForce Technology Co., Ltd.
Address : Room 511, Building 4, Software Industry Base, No. 19, 17, 18,
Haitian First Road, Binhai Community, Yuehai Street, Nanshan
District, Shenzhen

Product Name : DexSense 3D industrial camera

Trade Mark : N/A

Model(s) : SPARROW, SPARROW-D, SPARROW-DC

Testing Laboratory : Shenzhen DACE Testing Technology Co., Ltd.
Address : 102, Building H1, & 1/F., Building H, Hongfa Science & Technology
Park, Tangtou Community, Shiyan, Bao'an District, Shenzhen,
Guangdong, China

Test Date : Jun. 07, 2025 - Jun. 12, 2025

Date of Report : Jun. 23, 2025

Report No. : DACE250609003PF001

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Revision History Of Report

Version	Description	REPORT No.	Modified information
A0	Original	DACE250609003PF001	None

TEST REPORT IEC 60529 Degrees of protection provided by enclosures (IP Code)		 000006518
Reference No.....	DACE250609003PF001	
Compiled by (name + signature).....	Sean / Project Engineer	
Reviewed by (name + signature).....	Machael Mo / Manager	
Date of issue.....	Jun. 23, 2025	
Testing laboratory Name..... : Shenzhen DACE Testing Technology Co., Ltd. Address..... : 102, Building H1, & 1/F., Building H, Hongfa Science & Technology Park, Tangtou Community, Shiyan, Bao'an District, Shenzhen, Guangdong, China Testing location..... : Same as above		
Client Name..... : DexForce Technology Co., Ltd. Address..... : Room 511, Building 4, Software Industry Base, No. 19, 17, 18, Haitian First Road, Binhai Community, Yuehai Street, Nanshan District, Shenzhen		
Test specification Standard..... : Compliance with IEC 60529:1989+AMD1:1999+AMD2:2013 CSV Test procedure : CE- conformity Procedure deviation..... : IEC 60529A Non-standard test method..... : 2022-10		
Test item Product Name..... : DexSense 3D industrial camera Trade Mark..... : N/A Model(s)..... : SPARROW, SPARROW-D, SPARROW-DC Manufacturer's name..... : DexForce Technology Co., Ltd. Address..... : Room 511, Building 4, Software Industry Base, No. 19, 17, 18, Haitian First Road, Binhai Community, Yuehai Street, Nanshan District, Shenzhen IP Code..... : IP65 Enclosure		

Particulars: test item vs. test requirements

Operating condition..... : Continuous operation
Protection against ingress of water..... : IP65

Test case verdicts

Test case does not apply to the test object..... : N(/A)
Test item does meet the requirement..... : P(ass)
Test item does not meet the requirement..... : F(ail)

Testing

Date of receipt of test item : Jun. 07, 2025
Date(s) of performance of test..... : Jun. 07, 2025 - Jun. 12, 2025

General remarks

This test report shall not be reproduced except in full without the written approval of the testing laboratory.

The test results presented in this report relate only to the item tested.

"(see remark #)" refers to a remark appended to the report.

"(see appended table)" refers to a table appended to the report.

Throughout this report a comma is used as the decimal separator.

Remark :

– The product enclosure (Excluding input terminals) complies with the degree of protection IP65.

Model difference:

– The main test model SPARROW has the same external dimensions as the series models, but its internal functions and accessories are different

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Report Declaration:

The test samples were provided and confirmed by the customer in this report, the results contained in this test report do not relate to other samples of the same product.

The manufacturer should ensure that all products manufactured are in conformity with the product sample in this report.

Manufacture Declaration or Comment:

None

Summary of Result(s):

NO.	Test Item	Test Method	Result(s)	Conclusion
1.	Dust Test – IP6X	Refer to IEC 60529:1989+AMD1:1999+AMD2:2013 Clause 13.4&14.3	See result	Pass
2.	Waterproof Test- IPX5	Refer to IEC 60529:1989+AMD1:1999+AMD2:2013 Clause 14.2.5 &14.3	See result	Pass

Note: Pass: Meet the requirements
Fail: Does not meet the requirements
N/A: Not apply to the judgment

TEST REPORT

1.Test Item: Dust Test – IP5X

Quantities of Samples: 1 pc(s)

Test Standards: IEC 60529:1989+AMD1:1999+AMD2:2013 Clause 13.4&14.3

Client Requirements: Vacuum and test with talc powder for 8 hours.

Test Environmental Conditions: 23.6°C, 52%RH

Acceptance Conditions:

Refer to IEC 60529:1989+AMD1:1999+AMD2:2013 Clause 13.6

The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

Test Result:

Sample No.	Test Result	Conclusion
1#	The appearance and function are normal before and after test. After testing, no dust deposition was observed inside the sample, and the sample can still function normally.	Pass

Test Photos:



Equipment information:

Equipment No.	Equipment Name	Model No.	Calibration Date	Next Calibration Date
DZ-SY-120	Programmable dust test chamber	IP5X	2025-04-18	2026-04-17

TEST REPORT

1. Test Item: Waterproof Test - IP65

Quantities of Samples: 1 pc(s)

Test Standards: IEC 60529:1989+AMD1:1999+AMD2:2013 Clause 14.2.5 & 14.3

Test Environmental Conditions: 23.2°C, 68%RH

Test Condition:

internal diameter of the nozzle: 6.3 mm
distance from nozzle to enclosure surface: Between 2.5m and 3m
Duration of test: 3min

Acceptance Condition:

If any water has entered, it shall not:

- Be sufficient to interfere with the correct operation of the equipment or impair safety;
- Deposit on insulation parts where it could lead to tracking along the creepage distances;
- Reach live parts or windings not designed to operate when wet;
- Accumulate near the cable end or enter the cable if any.

If the enclosure is provided with drain-holes, it should be proved by inspection that any water which enters does not accumulate and that it drains away without doing any harm to the equipment.
For enclosures without drain-holes, the relevant product standard shall specify the acceptance conditions if water can accumulate to reach live parts.

Test Result:

Sample No.	Test Result	Conclusion
1#	The appearance and function are normal before and after test. No water deposition was observed internally, and the sample is still functioning normally.	PASS

Test Photos:



Equipment information:

Equipment No.	Equipment Name	Model No.	Calibration Date	Next Calibration Date
DZ-SY-119	Rain test device	IPX3-6	2025-04-18	2026-04-17

Photos of EUT

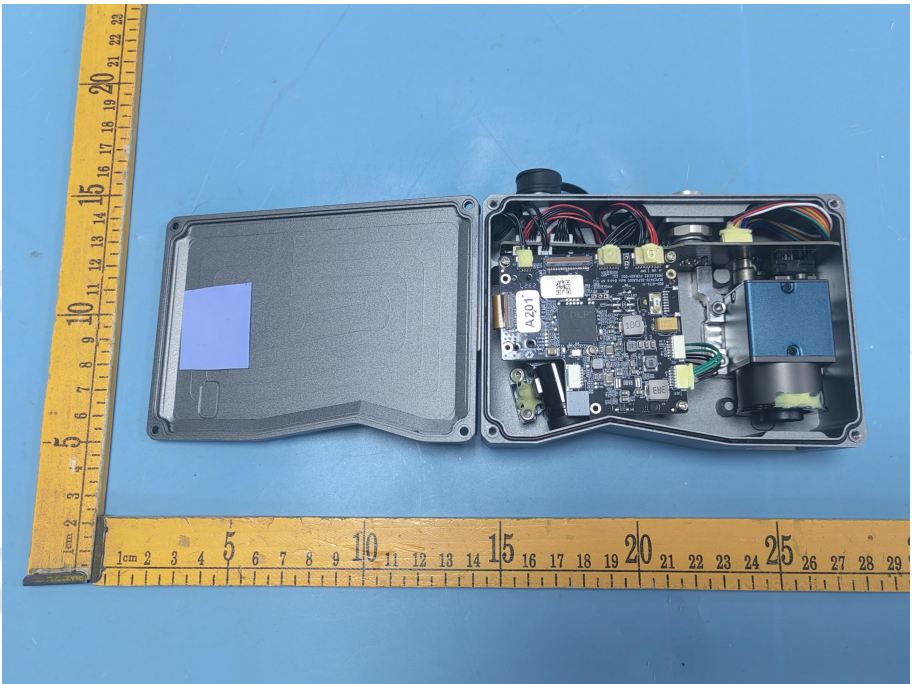
Photo 1 (Before testing)	 A black, rectangular electronic device with a textured surface and a logo that reads 'DEXFORCE' and '跨维智能'. It is placed next to a wooden ruler for scale. The ruler shows the device is approximately 10 cm wide and 5 cm high.
Photo 2 (After testing)	 The device is shown open, revealing the internal components. The left side is the black plastic cover, and the right side is the internal circuit board. The board contains various electronic components, including a microcontroller, capacitors, and a blue component. A wooden ruler is placed next to it for scale, showing the device is approximately 10 cm wide and 5 cm high.

Photo 3
(Series model:
SPARROW-D)



Photo 4
(Series model:
SPARROW-DC)



***** End of the report *****