



# TEST REPORT

Report No.: GTS20250811007-2-01

<b>Applicant</b>	Shenzhen Techtion Smart Electronics Co., Ltd.
<b>Manufacturer</b>	Shenzhen Techtion Smart Electronics Co., Ltd.
<b>Sample name</b>	Outdoor Reflective and Transflective Display Screen
<b>Specification Model</b>	TS-280PHD
<b>Approval Types</b>	IP65 Test

**Shenzhen Global Test Service Co., Ltd.**



Address: No.7-101 and 8A-104, Building 7 and 8, DCC Cultural and Creative Garden, No.98, Pingxin North Road, Shangmugu Community, Pinghu Subdistrict, Longgang District, Shenzhen, Guangdong, China  
telephone: 0755-28717088      Portraiture: 0755-28717111      e-mail: [gts\\_sz@gtsert.com](mailto:gts_sz@gtsert.com)      web page: <http://www.gtsert.com>



Sample name	Outdoor Reflective and Transflective Display Screen		
Specification Model	TS-280PHD		
Applicant	Shenzhen Techtion Smart Electronics Co., Ltd.		
Address	Room 902, 8th Floor, Unit 1, Building No. 2, Xintianxia Chengyun Factory District, Vanke City Community, Bantian Street, Longgang District, Shenzhen		
Manufacturer	Shenzhen Techtion Smart Electronics Co., Ltd.		
Address	Room 902, 8th Floor, Unit 1, Building No. 2, Xintianxia Chengyun Factory District, Vanke City Community, Bantian Street, Longgang District, Shenzhen		
Factory	Shenzhen Techtion Smart Electronics Co., Ltd.		
Address	Room 902, 8th Floor, Unit 1, Building No. 2, Xintianxia Chengyun Factory District, Vanke City Community, Bantian Street, Longgang District, Shenzhen		
Trade Mark	/	Sample serial number	/
Sample source	Customer sample delivery	Sample quantity	
Date of submission for inspection	2025.08.29	Testing Date	2025.09.30 to 2025.10.9

Testing items:

IP65

According to the standard:

IEC 60529:1989+AMD1:1999+AMD2:2013 Degrees of protection provided by enclosure (IP code)



Test conclusion:

Pass

Tested by: Warren Xing

2025.12.06

Reviewed by : Sky Shi

2025.12.06

Approved by: Jason Hu

2025.12.06

Remarks:

Note: The conclusion "P" indicates that the test is "qualified"; "F" indicates that the test is "unqualified"; "N/A" indicates that the test is "not applicable".

## Overview of Test Results

Serial number	Testing items	Standard requirements	Results	Conclusion
1.	IP6X	<ol style="list-style-type: none"><li>1. Dust: talc powder (75 <math>\mu</math> m);</li><li>2. Test time: 8h continuous dust blowing;</li><li>3. Concentration: 2 kg/m<sup>3</sup>;</li><li>4. Sample status during the test: the sample does not work during the test;</li><li>5. Sample status: storage;</li></ol>	After the IP6X dustproof test, no dust entered the interior of the sample.	Pass
2.	IPX5	<ol style="list-style-type: none"><li>1. Nozzle diameter: 6.3mm;</li><li>2. Water spray distance: 2.5m~3m;</li><li>3. Total flow rate: 12.5L/min;</li><li>4. Test time: 5 min.</li></ol>	After the IPX5 waterproof test, no water seeped into the interior of the sample.	Pass

## Test requirements and results

### Testing item: IP6X

#### 1) Testing basis:

IEC 60529:1989+AMD1:1999+AMD2:2013 Degrees of protection provided by enclosure (IP code)

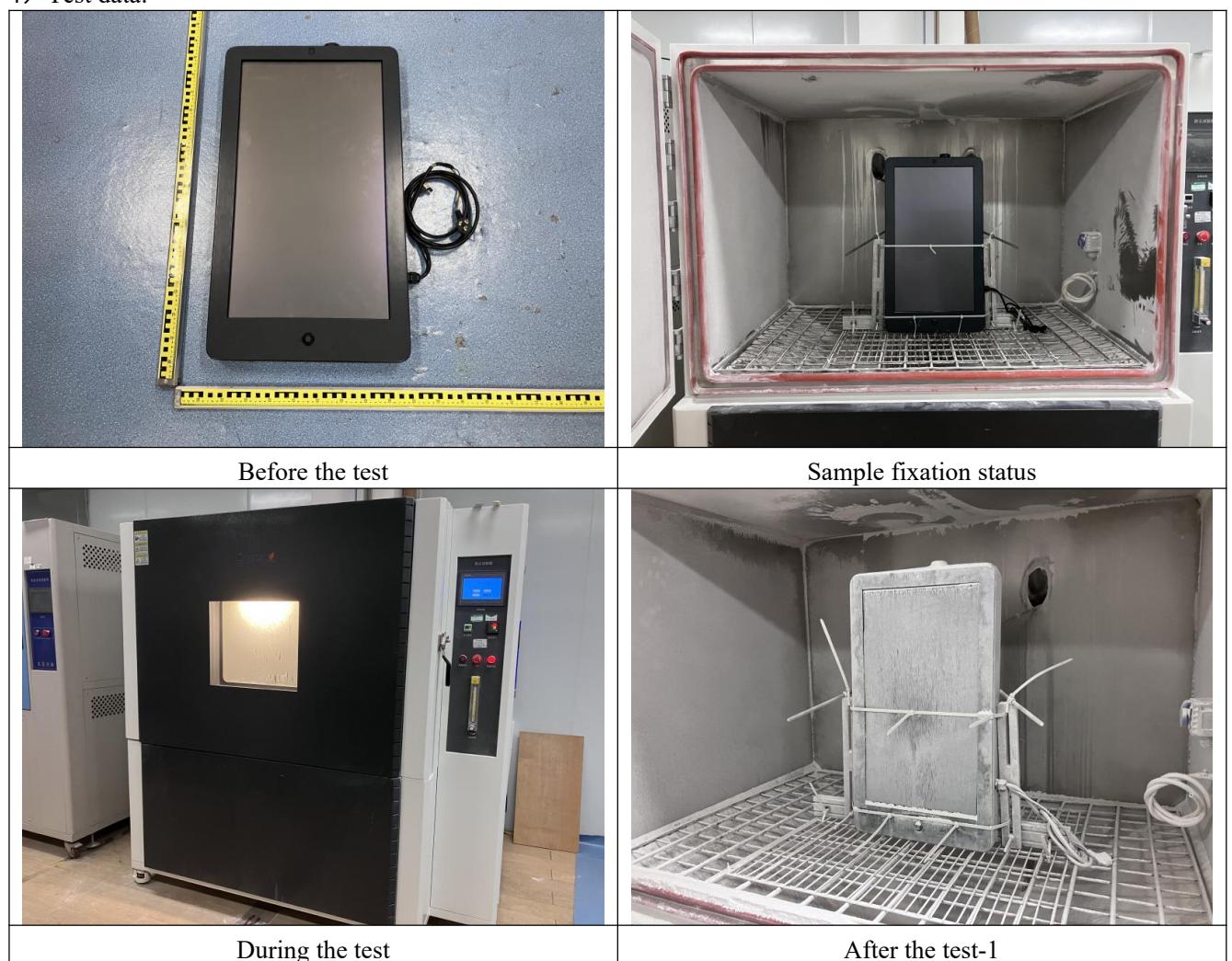
#### 2) Inspection methods and instructions:

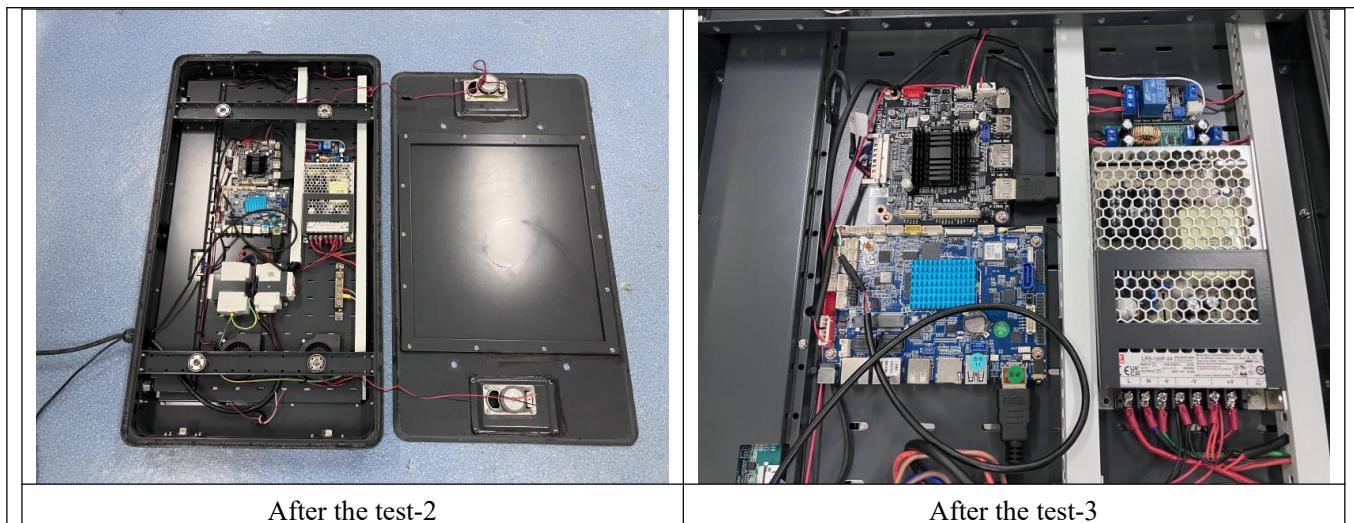
1. Dust: talc powder (75  $\mu$  m);
2. Test time: 8h continuous dust blowing;
3. Concentration: 2 kg/m<sup>3</sup>;
4. Sample status during the test: the sample does not work during the test;
5. Sample status: storage;

#### 3) Determination basis:

After the test, there was no obvious dust deposition inside the sample shell.

#### 4) Test data:





5) Test result:

After the IP6X dustproof test, no dust entered the interior of the sample.

## Test requirements and results

### Testing item: IPX5

#### 1) Testing basis:

IEC 60529:1989+AMD1:1999+AMD2:2013 Degrees of protection provided by enclosure (IP code)

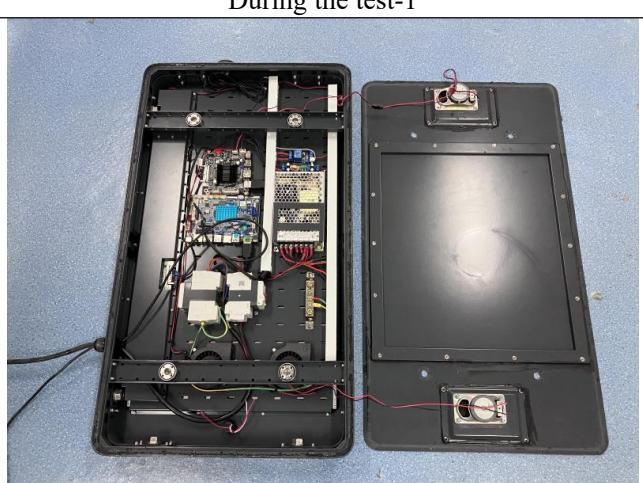
#### 2) Inspection methods and instructions:

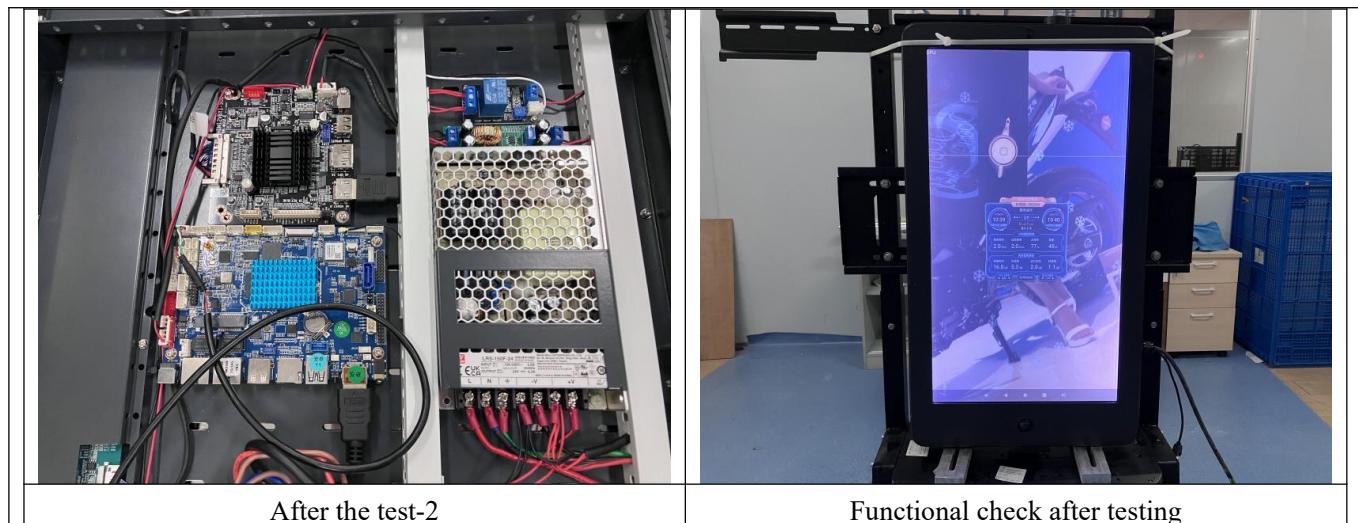
1. Nozzle diameter: 6.3mm;
2. Water spray distance: 2.5m~3m;
3. Total flow rate: 12.5L/min;
4. Test time: 5 min.

#### 3) Determination basis:

After the test, a small amount of water infiltration is permitted, and the sample shall remain functionally normal.

#### 4) Test data:

	
Before the test	During the test-1
	
During the test-2	After the test-1



After the test-2

Functional check after testing

## 5) Test result:

After the IPX5 waterproof test, no water seeped into the interior of the sample.

### Sample photo

Front



Rear



## Testing equipment

Serial number	Equipment name	Model	Number/Serial Number	Manufacturer	Calibration validity period until
1	Dust test box	YK-1210B-1 000Z	GSE0418	Dongguan Youke Automation Equipment Co., Ltd.	2026/04/14
2	Waterproof equipment	IPX3456	GSE0147	Wordt	2026/05/21

Note: The above instruments and equipment are all within the metrological calibration cycle.

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Report ends

## Declaration

- 1. The report is invalid if it is not stamped with the "special seal for testing".**
- 2. The report is invalid without the signature of the testing and approval personnel.**
- 3. Any alterations to the report are invalid.**
- 4. The testing conclusion of the self submitted sample is only valid for the submitted sample.**
- 5. Without permission, partial reproduction of this report is not allowed.**
- 6. If you have any objections to this report, you can appeal to our unit within 15 days after receiving the report, and it will not be accepted after the deadline.**
- 7. The data results presented in this report are intended for use in scientific research, teaching, internal quality control within enterprises, and product development of enterprises.**