

Cerpass Technology(Suzhou) Co., Ltd.

Doc NO: APTZ series

APTZ Series PTZ Dome Camera IPX6 Test Report

(Rev. A)

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Controlled Status: Confidential

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Cerpass Technology(Suzhou) Co., Ltd..

Revision History

| NO | Description Of Change | Issued | Revision | Author | Checked | Approved |
|----|-----------------------|------------|----------|--------------|---------------|----------------|
| | | Date | | | By | By |
| 1 | Initial Release | 2014-09-17 | A | Zeng Zhou | Jeffery Gu | Fenglei Liu |
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Distribution Object

| NO | Distribute Department | Copy quantity | Remark |
|----|-----------------------|------------------|--------|
| 1 | R&D-SD-BU | 1 | |
| 2 | PQA | 1 | |
| 3 | Market | 1 | |
| 4 | | | |
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| 6 | | | |
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1 Announce:

The test report is only responsible for the test samples; if have any issues and suggestions about the test report, please kindly feedback to the department in charge of distributed report in 5 working days.

2 Purpose:

This test is performed to verify the DH-SD59XXX Series model product can waterproof under outdoor installed condition.

3 Scope:

The test should compliance the IPX6 level of the GB4208-2008/IEC60529 standard defined IP code;

The test condition is applied to the product of protection provided by enclosure and outdoor environment condition used. It can is only single test, also it should be a test item of the reliability test.

4 Apply list information:

Commissioned Department: R&D-SD

BU Test Model: APTZ20Z30-M-POE

Applied Date: 2014/09/05

Completed Date: 2014/09/16

5 Compliance model information

The DH-SD59XXX series of product model defined can compliance with test DH-SD59 model for have as same as ID and mechanical.

6 Test condition:

Must be do the 6 sets IPX6 waterproof test.

7 Test installed condition and Configuration:

6.1 DUT information

| Test item and condition | Remark | Model | Serial N.O |
|-------------------------|--------|-----------------|------------------|
| IPX6 | | APTZ20Z30-M-POE | 1#,2#,3#,4#,5#,6 |

6.2 DUT set up picture during the IPX6 test



IPX6 Test Photo

6.3 Test requirement:

Have not any water into the product enclosure after the IPX6 test.

8 Waterproof test

8.1 IPX6 Test

8.1.1 Test equipments information

The IPX6 Equipment information:

| Test equipment Name | Serial number | The period of validity |
|-----------------------------|---------------|------------------------|
| Strong flush test equipment | IPX6-JL-2 | 2015-05-09 |

The water sprays equipment information:

The internal diameter of nozzle: 12.5mm

The water meter: (95-105)L/min

The water pressure meter: 0.12MP

(EN 60529 IPX6) specifications

8.1.2 The Lab environment conditions record:

Lab temperature:25°C

Relative humidity: RH48%

8.1.3 References standard:

References standard: GB4208-2008/IEC60529:2001 degrees of protection provided by enclosure (IP code)

8.1.4 Test conditions

Test condition: IPX6 (standard defined)

Shut down the power of the equipment before test;

Water flow : 100L±5L/minute;

Water pressure: adjust the water flow according to rules;

Test time: each face is 4 minutes; all faces total times are 16 minutes;

The distance between the nozzles to the surface of the product: 2.7m.

8.1.5 Test result:

2 sets (test model: APTZ20Z30-M-POE) after the IPX6 waterproof test for mechanical check, have not any water into the product.

The baseline function check is normal after waterproof check

9 Test Result: Pass

10 Suggestions:

N/A.

11 Reference document:

《ZL 069 EST environment test procedure》

12 Apply list:

《Protection provided by enclosure IPXX test apply list》


ZL 069
EST环境模拟测试报


防尘防水测试申请表.xls