



Test Report

Name of Sample:	CAMERA
Brand Name:	TYCO
Model No.:	ISV-V02M013S-N, ISA-V02M015S-N, ISA-V04M015S-N, ISV-V05M023S-N, ISV-V02M014S-N, ISV-V02M015S-N, ISV-V04M015S-N, ISV-V05M024S-N
Client:	Tyco Safety Products (Shanghai) Co., Ltd.
Manufacturer:	Tyco Safety Products (Shanghai) Co., Ltd.
Test Sort:	Commission Test
Test Item:	IP67

Shenzhen EBO Testing Center

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**Shenzhen EBO Testing Center****Test Report**

Client	Tyco Safety Products (Shanghai) Co., Ltd.		
Address	Zone B, Building 2, 88 Wansong Road, Shuyuan Town, Pudong New District, Shanghai, China		
Manufacturer	Tyco Safety Products (Shanghai) Co., Ltd.		
Name of sample	CAMERA		
Model No.	ISV-V02M013S-N, ISA-V02M015S-N, ISA-V04M015S-N, ISV-V05M023S-N, ISV-V02M014S-N, ISV-V02M015S-N, ISV-V04M015S-N, ISV-V05M024S-N		
Brand Name	TYCO	Test Model No.	ISV-V02M013S-N
Sample size	/	Samples Weight	/
Application date	October 12, 2020	Test date	October 14, 2020

Sample description:

Sample Quantity: 2

Sample No.: 1# (For IP6X testing), 2# (For IPX7 testing)

In good condition before test.

Test item:

IP67

Test Standard:

IEC 60529:2013

Test Results:

After the IP6X test, No trace of dust inside sample (1#).

The 1.0mm test stick can not enter the gap of the sample (1#)

After the IPX7 test, No ingress of water was found inside sample (2#).



Tested by:

Bernie Xia

Reviewed & Approved by:

Kevin Wang



Version

Report No.	Version No.	Date	Description
EBO2010016-R030	00	October 16, 2020	Original
EBO2010016-R030-1	01	October 16, 2020	New report (Changes Applicant, address of applicant, manufacturer, brand name and model name)
EBO2010016-R030-2	02	November 26, 2020	New report 2 (Changes Sample name, applicant, address, manufacturer, brand name and model name)

Lab Environmental Conditions:

Ambient temperature: 15°C-35°C
Relative humidity: 35%RH-75%RH

Test Equipment:

Name	Type	Serial No.	Calibration useful-life
Dust tester	XL-SC-1000L	E00206	July 23, 2021
IPX7 Immersion Tank	IPX7	E00152	August 9, 2021
1.0mm Test stick	1.0 mm	E00186	November 17, 2020

Test Method/ Specification:

IP6X:

- Observe whether the test stick whose diameter is 1.0mm could enter the gap of the sample.
- Place the sample into the Dust Proof Chamber, the test condition is as below:
Sample condition: Non-Operating
Type of dust: Talcum powder
Dust concentration: 2kg/m³ and be kept in suspension during the test
Maximum pressure: 2kPa
Test duration: 8 hours
- Examine the protection against ingress of dust of specimen after this test.

IPX7:

- Completely immerse the specimen in water, and make the test condition as follow:
The lowest point of enclosures is located 1000 mm below the surface of the water
Test duration: 30 min
- Examine the protection against ingress water of specimen after this test.



Test Results:

Sample No.: Check Item	Visual check
1#	After the IP6X test, No trace of dust inside sample The 1.0mm test stick can not enter the gap of the sample
2#	After the IPX7 test, No ingress of water was found inside sample

Before test Photos



1#



2#

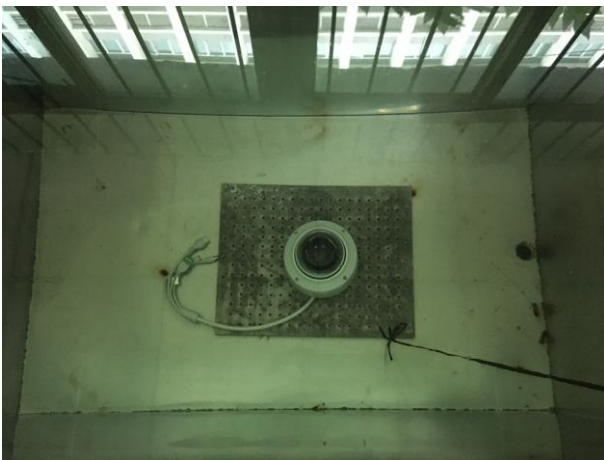
Test Photos



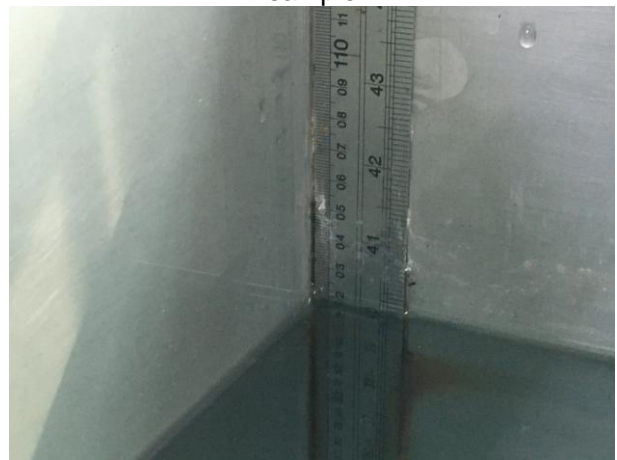
IP6X



The 1.0mm test stick can not enter the gap of the sample



IPX7

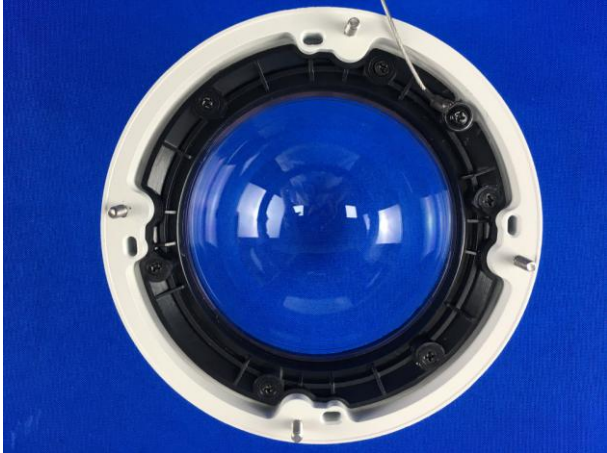


IPX7

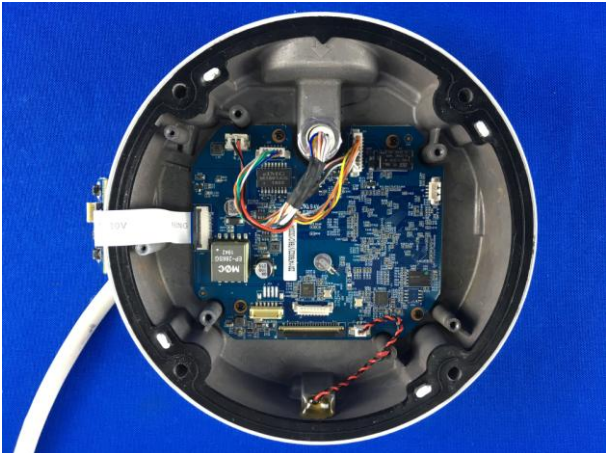
After test Photos



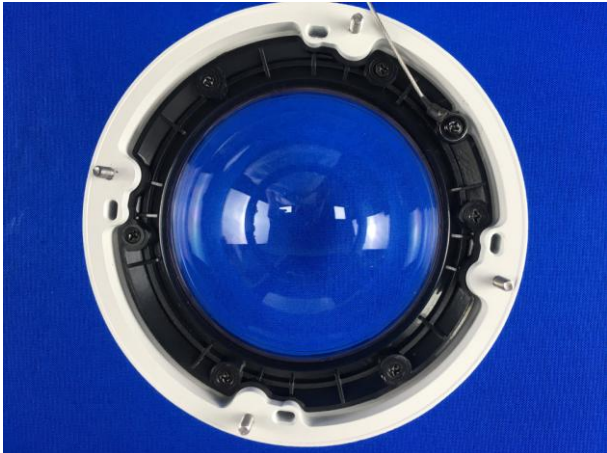
Visual check 1# (IP6X)



Visual check 1# (IP6X)



Visual check 2# (IPX7)



Visual check 2# (IPX7)

Statement

1. The report is just responsible for the tested sample.
2. The test report is invalid without stamp of laboratory.
3. The test report is invalid without signature of person(s) testing and authorizing.
4. The test report is invalid if erased and corrected.
5. Test results of the report is valid to the test samples if sampling by client.
6. The test report shall not be reproduced except in full, without written approval of the laboratory.
7. The test report shall not be published as advertisement without the written approval of EBO.
8. The contents of this report are for reference only, not as the basis for any legal regulation or as proof use, the final interpretation of this report is owned by EBO.
9. If there is any objection to report, the client should inform issuing laboratory within 15 days from the date of receiving test report.