

Test Report

Product Name : CAMERA
Inspected Unit : Shenzhen Sunell Technology Corporation.
Report No. : EM170814013RE006
Delivery Date : Aug. 23, 2017

Detection Mechanism : EMTEK (Shenzhen) Co., Ltd
Mechanism Address : No.11 Gaoxin Road, Guangming New District, Shenzhen,
Guangdong

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Applicant : Shenzhen Sunell Technology Corporation.
Address : Aerospace Micromotor Bldg.,North Technology 2nd Rd., Hi-Tech Ind. Park,
Nanshan District, Shenzhen 518057 China.

Sample Name : CAMERA
Sample Model : SN-IPV54/14UDR
Sample Quantity : 2PCS

Received Date : Aug.14, 2017
Testing Period : Aug.19, 2017 ~Aug. 21, 2017

Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	IP67	IEC 60529:2013	Pass

Note:

Pass: Meet the requirements;

Fail: Do not meet the requirements;

N/A: Do not evaluate or provide only test results.

Inspected by: Kell
Kell
Inspected engineer

Reviewed by: Zuo Luo
Zuo Luo
Reviewed director

Signed for and on behalf of
EMTEK (Shenzhen) Co., Ltd.

Approved by: Lewis
Lewis
Authorized signatory
Aug.23, 2017

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Extra information:

No.	Sample Name	Sample Model	Test state
1	CAMERA	SN-IPV54/14UDR	Main test
2	CAMERA	SN-IPVXX/XXUDR SN-IPVXX/XXWDR SN-IPVXX/XXADR SN-FXPXX/XXUDR SN-FXPXX/XXWDR SN-FXPXX/XXADR SN-IPVXX/XXUDN SN-IPVXX/XXWDN SN-IPVXX/XXADN SN-FXPXX/XXUDN SN-FXPXX/XXWDN SN-FXPXX/XXADN	/

Model naming instructions : The first to the 4th digits XXXX 0-9 represent product series classification.

Note: other models and the main model of the same internal structure, only the size of different.

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1. Test Item: IP67

1.1 Sample No.: EM170814013R011~012

1.2 Test Equipment:

Name	Model	Serial No.	Valid Date to
D probe	ZLT I04	ER-049	2018.05.02
Dust Tester	KXT1410	ER-016	2017.09.22
Waterproof test chamber	KXT1317	ER-017	2018.04.21

1.3 Laboratory Conditions: Temperature: 23±2℃; Humidity: 50±5%RH

1.4 Test Standard: IEC 60529:2013

1.5 Test Conditions:

<p>1. IP6X</p> <p>1) . Use the φ1mm test probe to detect the sample gap, the test force of 1N.</p> <p>2) . The sample was placed in a test chamber containing 2 kg of talc per cubic meter of paint to start the test. During the test, the sample was kept in a vacuum state with a maximum pressure difference of 2 kPa and an evacuation rate of 40 times the volume per hour. test time: 8 hours.</p> <p>2. IPX7</p> <p>1) . Flood depth: 1000mm</p> <p>2) .Test time: 30 minutes</p>

1.6 Judge Criteria:

<p>1, The test probe can not be stabbed to the inside of the sample, can not enter the dust;</p> <p>2, The sample allows a small amount of water into the inside, but not accumulation, can not enter the live parts;</p>

1.7 Test Result(s):

Sample No.	Sample model	Test items	Test Result	Judge
EM170628004R011	SN-IPV54/14UDR	IP6X	The test probe failed to pass through the gap to the inside of the sample, the sample did not see the dust inside the test	Pass
EM170628004R012		IPX7	There was no water inside the sample after the test	Pass

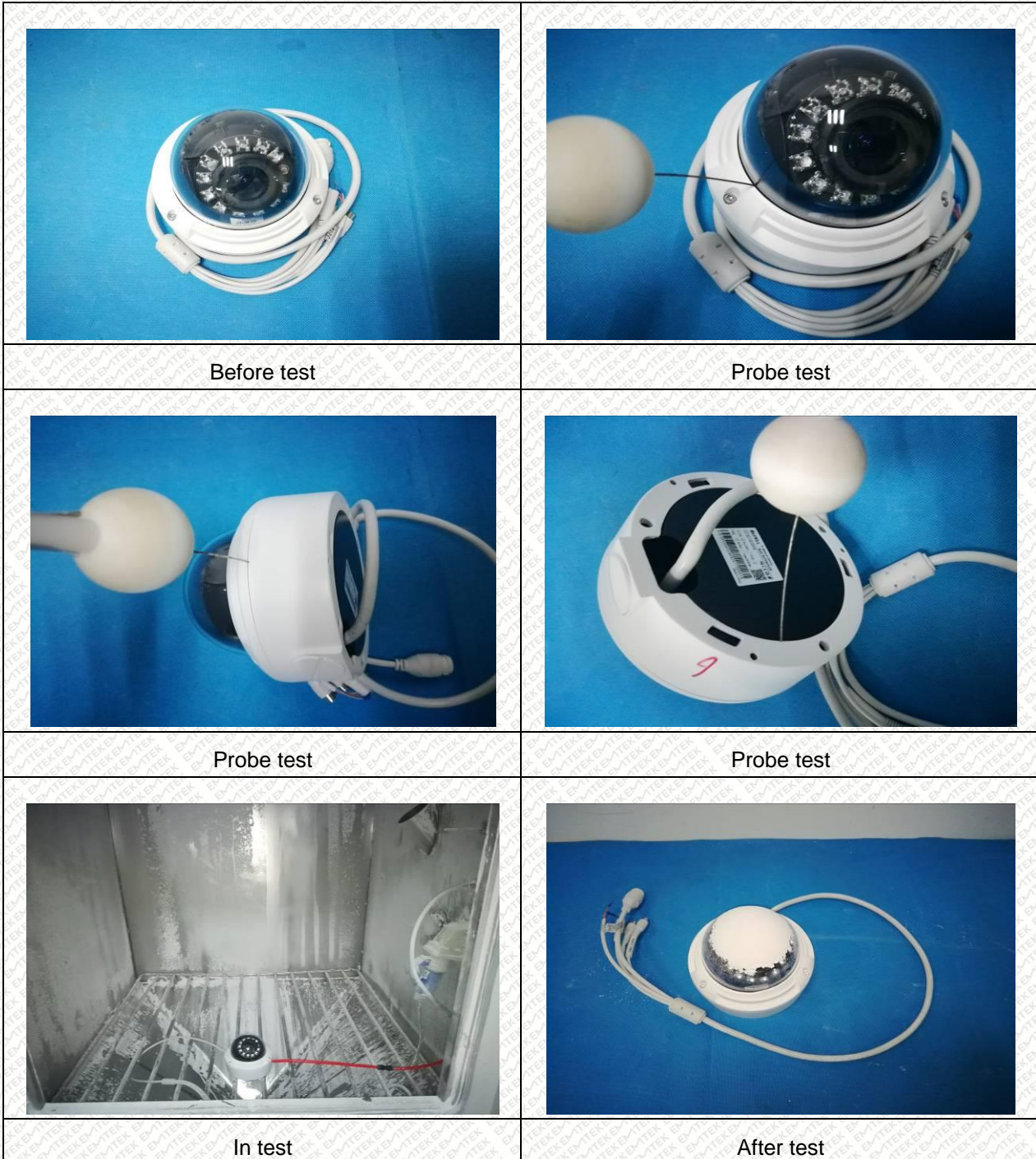
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1.8 Test Photos(IP6X)





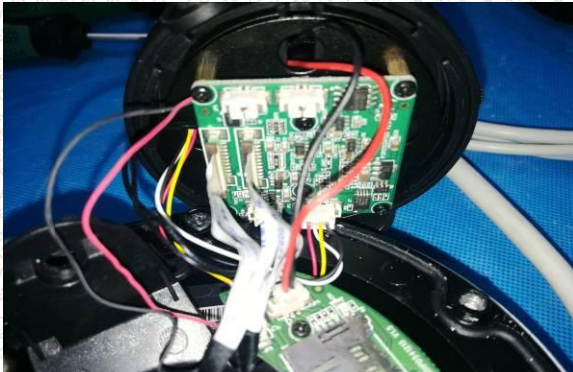



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<p>Check after test</p>	<p>Check after test</p>
	
<p>Check after test</p>	<p>Check after test</p>
	
<p>Check after test</p>	<p>Check after test</p>

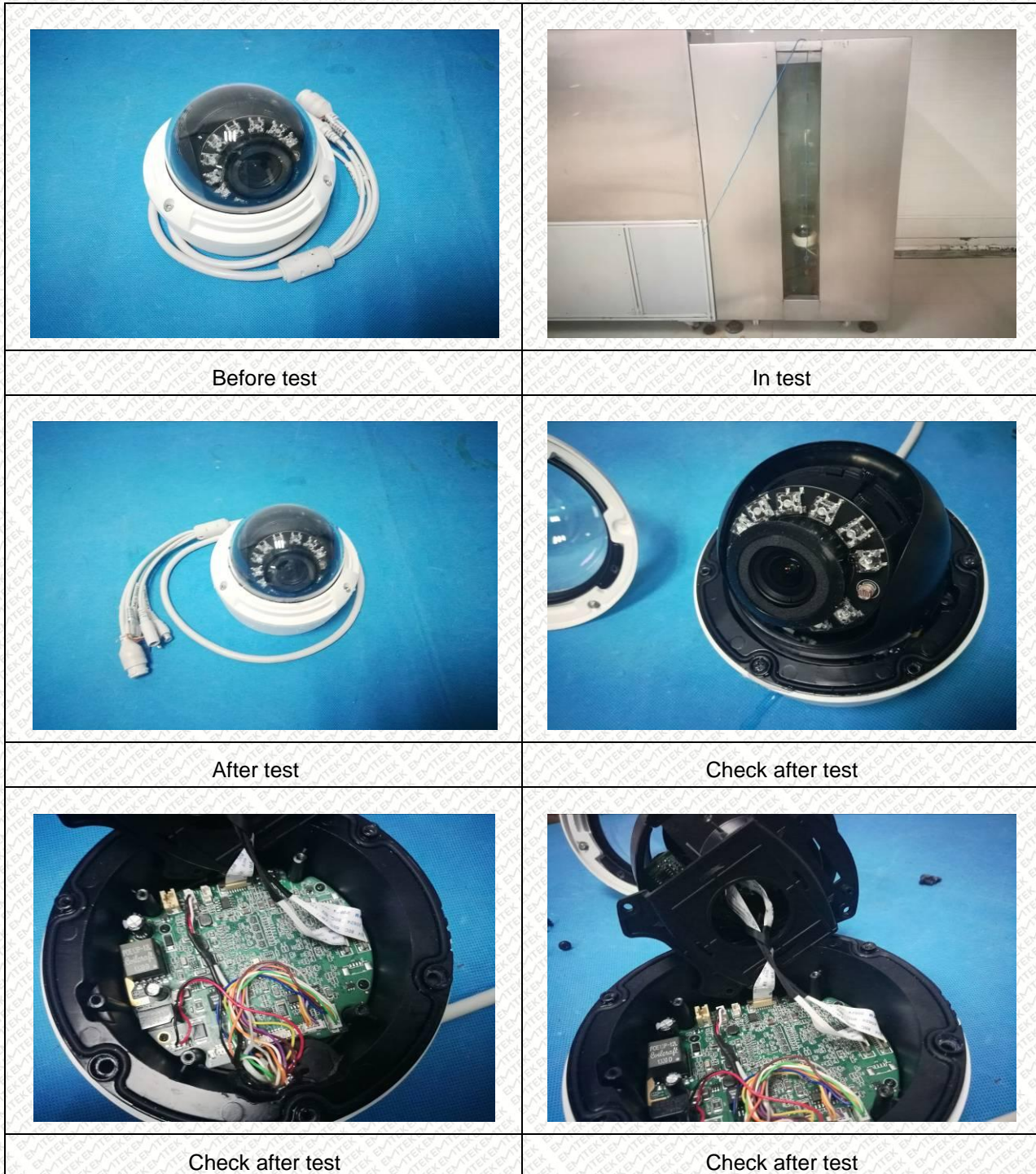
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1.9 Test Photos(IPX7)






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<p>Check after test</p>	<p>Check after test</p>
	<p>/</p>
<p>Check after test</p>	<p>/</p>

*** End of Report ***

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