

# Test Report

Product Name : CAMERA  
Inspected Unit : Shenzhen Sunell Technology Corporation.  
Report No. : EM170814013RE001  
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-IPR56/20AKDN  
**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-IPR56/20AKDN	Main test
2	CAMERA	SN-IPRXX/XXAKDN SN-IPRXX/XXANDN SN-IRCXX/XXAKDN SN-IRCXX/XXANDN	/

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.:** EM170814013R001~002

**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>
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**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>
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**1.7 Test Result(s):**

Sample No.	Sample model	Test items	Test Results	Judge
EM170628004R001	SN-IPR56/20AKDN	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
EM170628004R002		IPX7	There was no water inside the sample after the test.	Pass

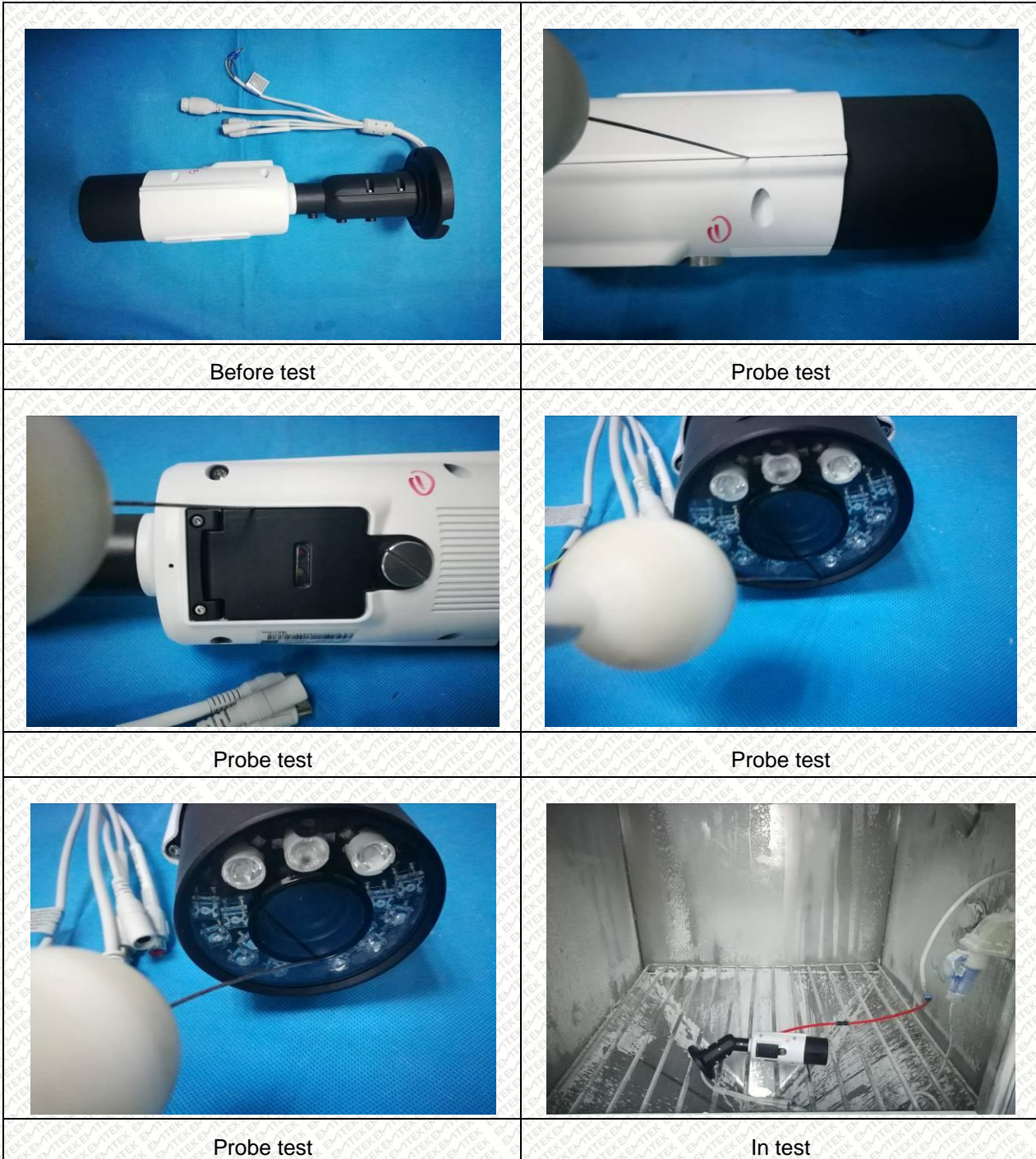
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## 1.8 Test Photos(IP6X)









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<p>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)




	
<p>Before test</p>	<p>In test</p>
	
<p>After test</p>	<p>Check after test</p>
	
<p>Check after test</p>	<p>Check after test</p>

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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 \*\*\*

The test report is effective only with both signature and specialized stamp. Without written approval of EMTEK, this report can't be reproduced except in full. The result(s) shown in this report refer only to the sample(s) tested

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9. Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.
10. Issuance records of the Report are available on the internet at <http://www.emtek.com.cn/zhengshuchaxun.html>. Further enquiry of validity or verification of the Report should be addressed to the company.