

Test Report

Product Name : CAMERA
Inspected Unit : Cubitech S.A.
Report No. : EM171211004RE007
Delivery Date : Dec., 15, 2017

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

This Test Report is issued by the Company subject to its Conditions of Issuance of Test Reports printed overleaf and is intended for your exclusive use. Attention is drawn to the limitations of liability, indemnification and jurisdictional policies defined therein. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

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Applicant : Cubitech S.A.
Address : Kiprou 4-6, Tavros,17778,Athens,Greece
Manufacturer : Cubitech S.A.
Address : Kiprou 4-6, Tavros,17778,Athens,Greece
Processing plant : Cubitech S.A.
Address : Kiprou 4-6, Tavros,17778,Athens,Greece
Sample Name : CAMERA
Sample Model : CB-BIS4028VI
Sample Quantity : 2PCS

Received Date : Dec., 1, 2017
Testing Period : Dec., 4 , 2017-Dec., 7, 2017

Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	IK10	Refer to customer requirements and standards IEC 62262: 2002	Pass
2	IP66	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
 Dec., 15, 2017



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Extra information:

NO.	Sample Name	Sample Model	Test state
1	CAMERA	CB-BIS4028VI	Main test
/	/	/	/
/	/	/	/
Note: for the same material samples			

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1. Test Item: IK10

1.1 Sample No.: EM171211004RE007

1.2 Test Equipment:

Name	Model	Serial No.	Valid Date to
Steel ball	/	ES-041	2018.05.06

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

1.4 Test Standard: Refer to customer requirements and standards IEC 62262: 2002

1.5 Test Conditions:

Table: Relation between IK code and impact energy											
IK code	IK00	IK01	IK02	IK03	IK04	IK05	IK06	IK07	IK08	IK09	IK10
Impact energy, (J)	0	0.14	0.2	0.35	0.5	0.7	1	2	5	10	20
<p>Remark:</p> <p>A characteristic group numeral of two figures has been chosen to avoid confusion with some national standards which used a single numeral for a specific impact energy</p> <p>During the test, five collisions are applied to each exposed surface of the product.</p>											

1.6 Judge Criteria: After test, check the appearance of the sample.

1.7 Test Result(s):

Sample No.	Test Result	Judge
EM171211004RE007	After test, the sample surface friction traces, no cracks and damage phenomenon. The lens cover of CB-BIS4028VI is also with IK10, The IK10 test is Passed.	Pass

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1.8 Test Photos



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2. Test Item: IP66

2.1 Sample No.: EM171211004RE009

2.2 Test Equipment:

Name	Model	Serial No.	Valid Date to
D probe	ZLT 104	ER-049	2018.05.02
Dust Tester	KXT1410	ER-016	2018.03.22
Waterproof test chamber	KXT1317	ER-017	2018.04.21

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

2.4 Test Standard: IEC 60529:2013

2.5 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.</p> <p>Test time: 8 hours</p>
<p>2. IPX6</p> <p>Nozzle diameter: 12.5mm</p> <p>Water flow: 100L / min</p> <p>Nozzle to sample surface distance: 2.5 ~ 3m</p> <p>Test time: 3 minutes</p>

2.6 Judge Criteria:

<p>1. Test probe can't be stabbed into the sample, can't enter the dust.</p> <p>2. The sample allows a small amount of water to enter, but not accumulation, can't enter the live parts.</p>
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2.7 Test Result(s):

Sample No.	Test Item	Test Result	Judge
EM171211004RE009	IP6X	The test probe failed to pass through the gap to the inside of the sample, there is no dust inside the sample.	Pass
EM171211004RE009	IPX6	After test, there is no water inside the sample.	Pass

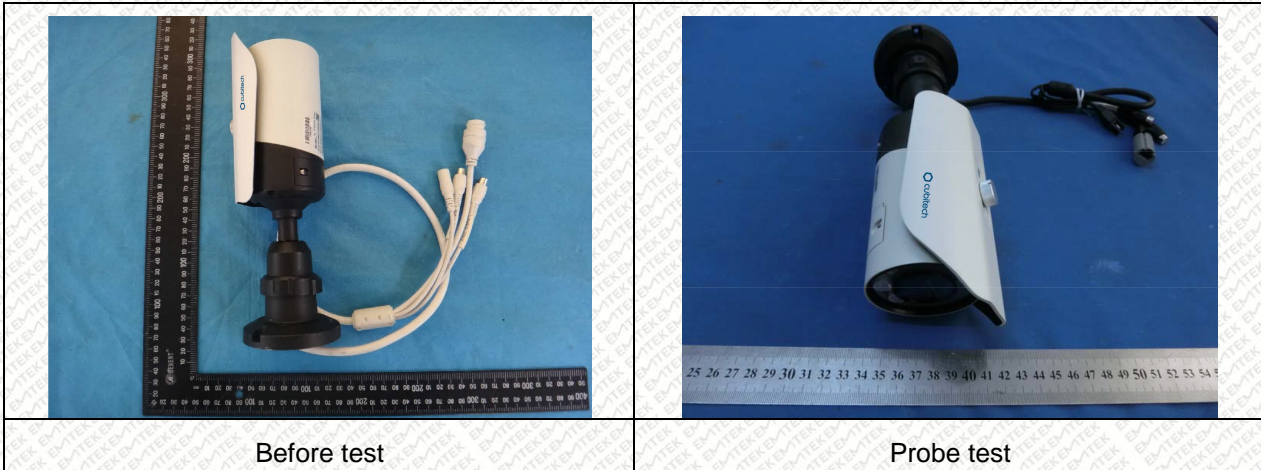
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2.8 Test Photos(IP6X)









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Test Photos (IP6X)

	
<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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2.9 Test Photos(IPX6)

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




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Test Photos(IPX6)

	
<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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2. Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. The Report refers only to the sample tested and does not apply to the bulk, unless the sampling has been carried out by the Company and is stated as such in the Report.
5. In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
6. Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
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8. Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
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.
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