

Test Report

Product Name : CAMERA
Inspected Unit : Cubitech S.A.
Report No. : EM171207957RE002V1
Delivery Date : Dec. 22, 2017

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

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Applicant : Cubitech S.A.
Address : 4-6 Kiprou str,Tavros, 17778, Athens, Greece

Sample Name : CAMERA
Sample Model : CB-DIB2028V
Sample Material : /
Sample Quantity : 3 PCS

Received Date : Dec. 07, 2017
Testing Period : Dec. 07, 2017 ~ Dec. 12, 2017
Modify date : Dec. 22, 2017

Test Summary

No.	Test Item	Test Standard	Test Conclusion
1	IK10 Test	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.

Declaration: Report EM171207957RE002 was repealed and replaced by Report EM171207957RE002V1

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. 22, 2017

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1. Test Item: IK10 Test

1.1 Sample No.: EM171207957R002

1.2 Test Equipment:

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

1.3 Laboratory Conditions: Temperature: 22.3°C; Humidity: 30%RH

1.4 Test Standard: 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
Remark: 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											
During the test, 5 impacts were applied to each exposed surface of the product											

1.6 Judge Criteria: After test, check the sample appearance should be no damage and cracks.

1.7 Test Result(s):

Sample No.	Test Result	Judgment
EM171207957R002	After test, the sample surface friction marks, no cracks, damage phenomenon.	Pass

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1.8 Test Photos

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

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1.9 Test Photos

	<p style="text-align: center;">/</p>
<p style="text-align: center;">After test</p>	<p style="text-align: center;">/</p>

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2. Test Item: IP66

2.1 Sample No.: EM171207957R003~004

2.2 Test Equipment:

Name	Model	Serial No.	Valid Date to
Access probe D	ZLTI04	ER-049	2018.09.29
Dust Tester	KXT1410	ER-016	2018.09.26
Waterproof test chamber	KXT1317	ER-017	2018.04.21

2.3 Laboratory Conditions: Temperature:22.1℃; Humidity: 31%RH

2.4 Test Standard: IEC 60529:2013

2.5 Test Conditions:

IP6X

1. Use the Φ1mm access probe to detect the opening, with the force of 1N.
2. The sample was placed in the test chamber, the amount of talcum powder to be used is 2 kg per cubic meter of the test chamber volume. During the test, the sample was kept in a vacuum state with a maximum depression of 2 kPa (20 mbar), the extraction rate is less than 40 volumes per hour. The test is continued a period of 8 h.

IPX6

1. Internal diameter of the nozzle: 12.5mm
2. Delivery rate: 100 L/min
3. Distance from nozzle to enclosure surface: 2.5~3 m
4. Test duration: 3 min

2.6 Judge Criteria:

1. The full diameter of the probe does not pass through any opening. No deposit of dust is observable inside the enclosure at the end of the test.
2. A small amount of water entered the interior of the sample, but no accumulation, did not enter the live parts.

2.7 Test Result(s):

Sample No.	Test Item	Test Result	Judgment
EM171207957R003	IP6X	The full diameter of the probe does not pass through any opening. No deposit of dust is observable inside the enclosure at the end of the test.	Pass
EM171207957R004	IPX6	Disassemble and check the sample after the test, no water enters the interior of the sample.	Pass

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2.8 Test Photos (IP6X)



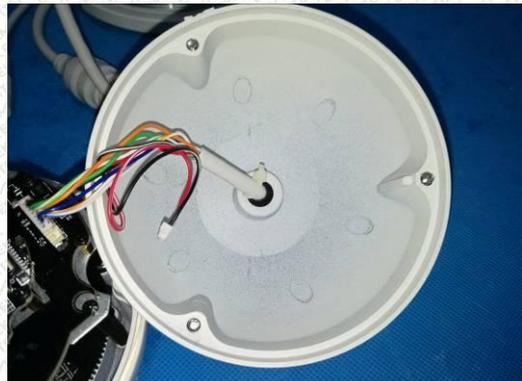
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Test Photos (IPX6)

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

*** End of Report ***

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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.
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