



ELECTRONICS TESTING CENTER, TAIWAN
 EMC/Safety/Reliability Testing Laboratory
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 Issue Date : Dec. 22, 2011

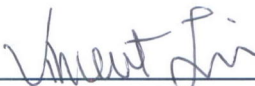
TEST REPORT

Rep. No. : 11-11-VAA-106E
 Applicant : DynaColor, Inc.
 Address : No.116, Jou Tz Street, Neihu, Taipei 114, Taiwan
 Commodity : IR Bullet IP Camera Housing
 Model : Main Model : NV053
 Series Model : X₁X₂05X₃(Consult Page 2)
 Quantity : 2 sets
 Date of Receipt : Nov. 23, 2011
 Date of Testing : Nov. 26, 2011
 Test specification : IEC60529 Edition 2:1989 + Amendment 1:1999
 Ambient Environment : Temp. 21 °C, R.H. 68 %, A.P. 970 mbar
 Test Item : IP67
 Test condition & result : See the following sheets

General remarks :

The test results presented in this report relate only to the object tested.
 This report shall not be reproduced, except in full, without the written approval of the
 Issuing testing laboratory.

Approved by :



 Vincent Lin





TEST REPORT

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1. Test Item : IP67

2. Test Conditions :

2.1 Ambient Condition

- Temperature range: 15 °C to 35 °C.
- Relative humidity: 25 % to 75 %.
- Air pressure: 860 mbar to 1060 mbar.

2.2 IPX7 (In accordance with IEC60529 14.1/14.2.7 test)

- Water depth: 1000 mm above the specimen.
- The duration of the test is 30 min.
- The water temperature does not differ from that of the equipment by more than 5 K.

2.3 IP6X (In accordance with IEC60529 13.4 test)

- Dust: Talcum powder.
- The amount of dust: 2 kg/m³.
- Maximum depression of 2kPa. (20mbar).
- The duration of the test is 2 hr.
- (Extraction rate of 40 to 60 volumes per hour)

3. Test Result :

IP Code	Results	Acceptance Criteria
IPX7	There is no trace of water inside.	IEC60529 14.3
IP6X	There is no trace of dust inside.	IEC60529 13.6

4. Definition of Variable :

Variable :	Range of Variable :	Content :
Model : X ₁ X ₂ 05X ₃		
X ₁	may be 0~9 or A~Z	Output interface
X ₂	may be 0~9 or A~Z	Image sensor
X ₃	may be 0~9 or A~Z	Platform
※ There is no deviation on casing configuration in each, it is no affection to the test result.		

Tested by :

Kengy Yen

Kengy Yen



TEST REPORT

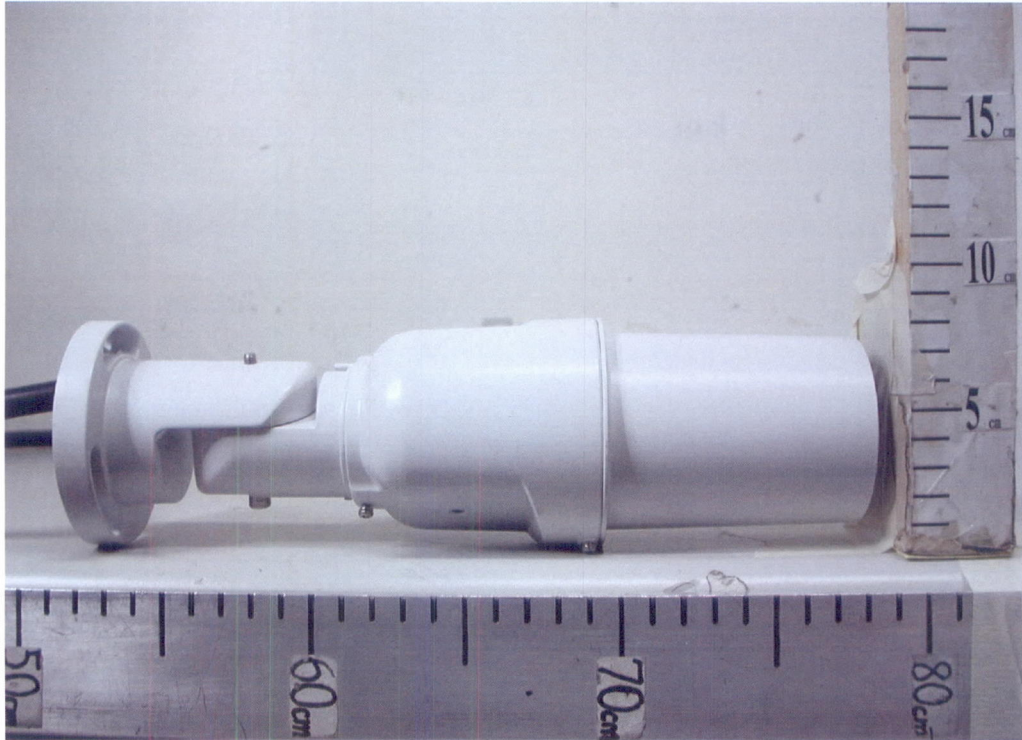
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Utilized testing equipments 試驗設備列表

Test Mode 測試項目	Kind of Instrument 設備名稱	Manufacturer 製造商	Model Serial No. 型號,序號或其它資訊	Due Date 下次校驗日期
IP1X	Test sphere(50mm)試驗球	Fimko Lab.	IEC60529/Tab.6 A	2012/11/03
IP2X	Test sphere(12.5mm)試驗球	Fimko Lab.	IEC60529/Tab.6 B	2012/11/03
IP3X	Test rod,2.5mm(D)x100mm(L)試驗棒	Fimko Lab.	IEC60529/Tab.6 C	2012/11/03
IP4X	Test rod,1mm(D)x100mm(L) 試驗棒	Fimko Lab.	IEC60529/Tab.6 D	2012/11/03
✓ IP5~6X	TESTING T1-16 DUST TEST CHAMBER	TESTING	IEC60529/Figure.2	2012/05/04
IPX1~2	Drip Box 滴水試驗裝置	PTL	IEC60529/Figure.3	2012/10/23
IPX3~4	Oscillating Tube 灑水及濺水試驗裝置	PTL	IEC60529/Figure.4	2012/10/23
IPX5~6	Hose Nozzle 對噴流保護檢測用試驗裝置	PTL	IEC60529/Figure.6	2012/10/23
✓ IPX7~8	Water Butt 水桶	Dafong Plastic		N/A
	High-pot tester 耐壓機 (HP1)	Good will	GPT-515AD	2012/10/27
	Digital Insulation Tester 絕緣電阻計	Hioki	3119-11	2012/10/20
✓	Stop watch 馬錶	Casio	HS-3	2012/08/30
	Leakage Current Tester 洩漏電流表	Simpson	228	2012/04/10
	High-pot tester 耐壓機 (HP2)	EXTECH	7410	2012/03/13
✓	Digital Thermometer 數位式溫度計	Yokogawa	2455	2012/06/30

Main Model : NV053(Sample1)



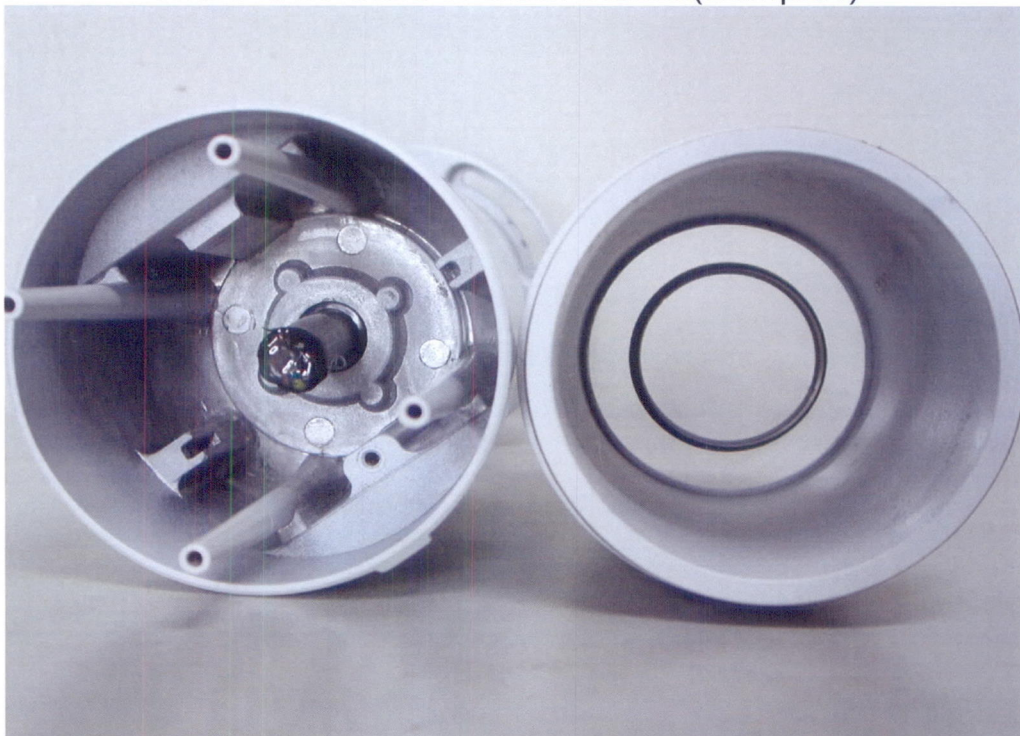
Main Model : NV053(Sample1)



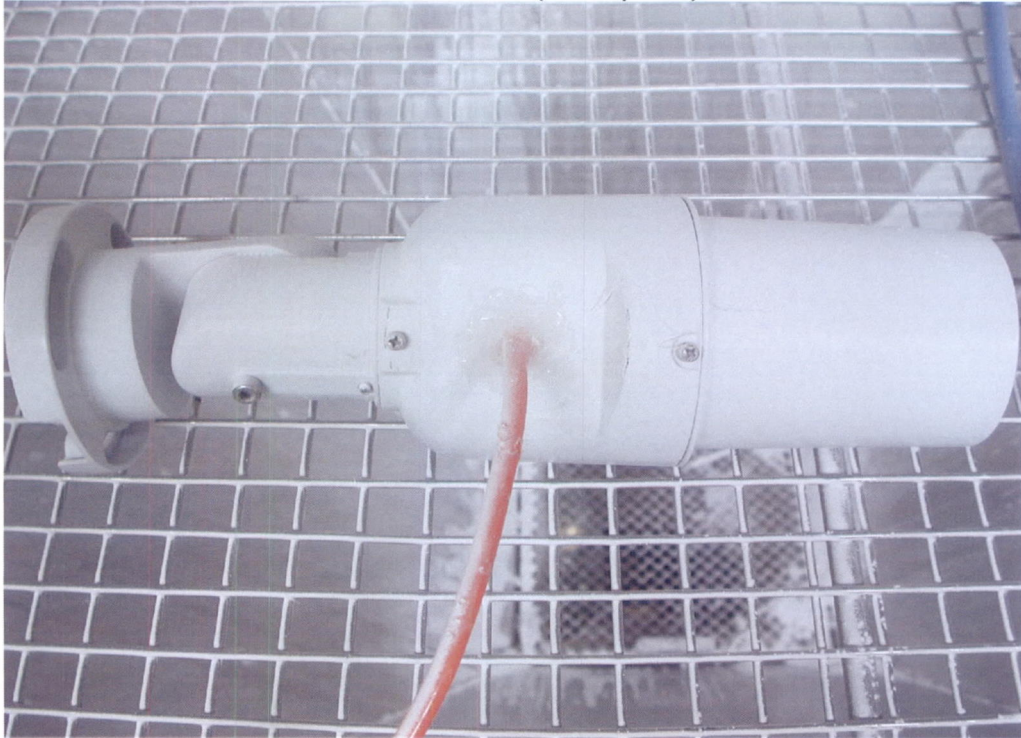
IPX7 Test(Sample1)



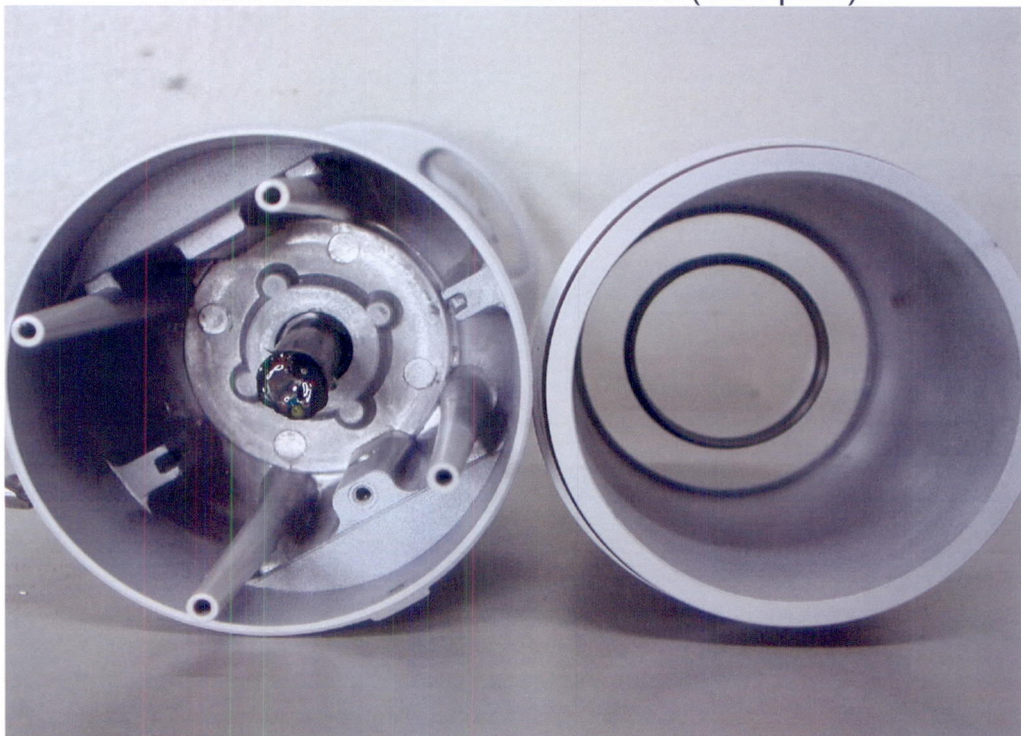
There is no trace of water inside.(Sample1)



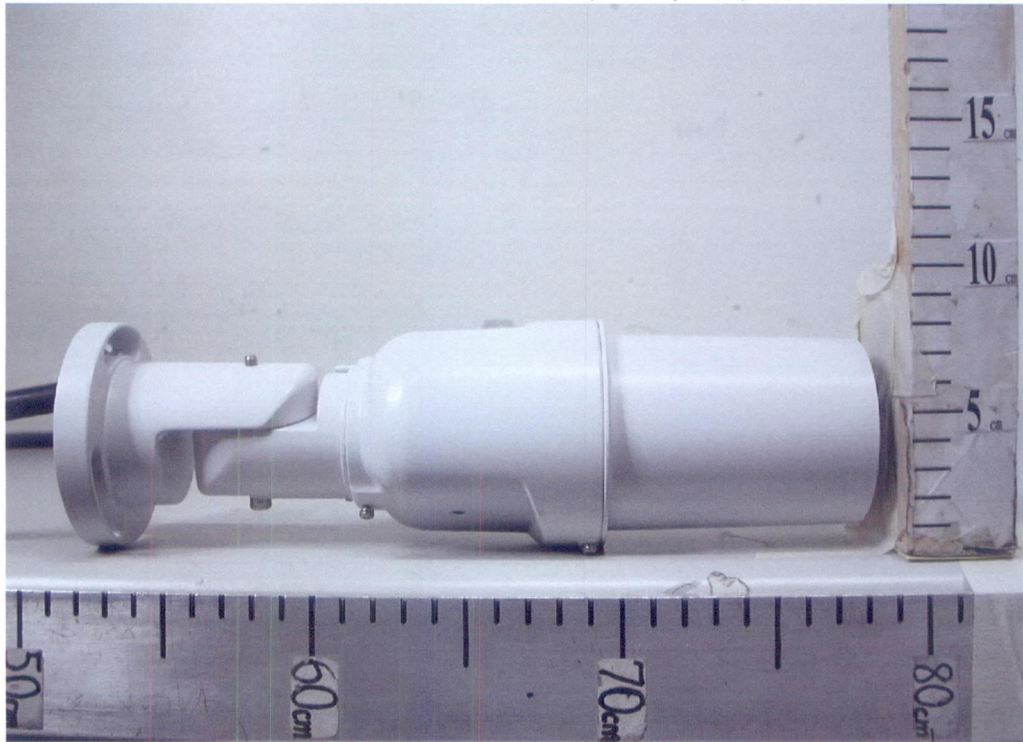
IP6X Test(Sample1)



There is no trace of dust inside.(Sample1)



Main Model : NV053(Sample2)



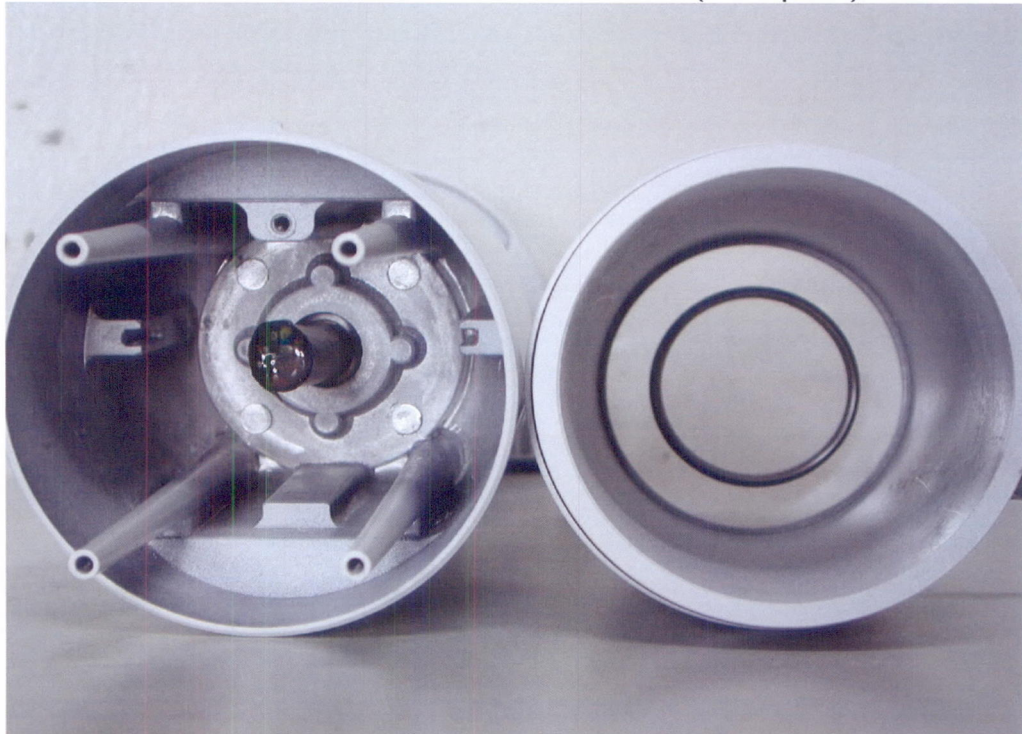
Main Model : NV053(Sample2)



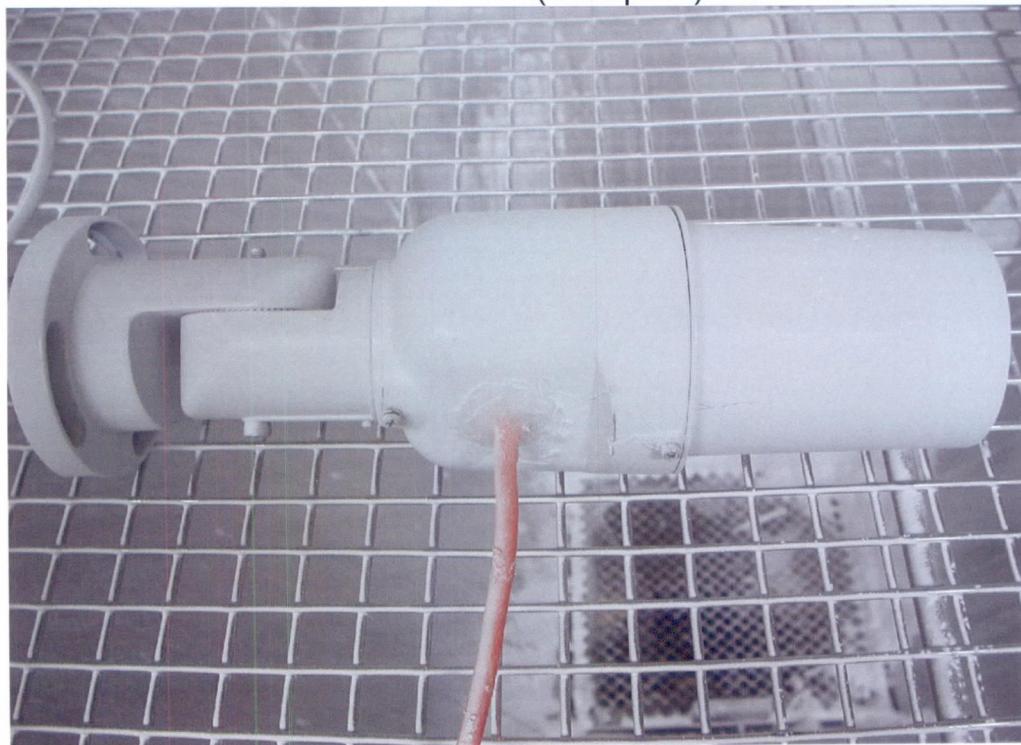
IPX7 Test(Sample2)



There is no trace of water inside.(Sample2)



IP6X Test(Sample2)



There is no trace of dust inside.(Sample2)

