



*Accredited Testing Laboratory under the terms of ISO/IEC 17025*

# ***ENVIRONMENTAL TEST REPORT***

*for*

**Product: Network Camera**

**“MODEL NAME(S): SNV-L6083R”**

**AUTHORIZED**

**SAMSUNG TECHWIN CO., Ltd**

**Samsung techwin R & D Center, 6 Pangyo-ro 319 beon-gil Bundang-gu, Seongnam-si, Gyeonggi-do, Koera**

**March 03, 2015**

**Test Results**

**“Refer to the test results attached”**

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3. This report has included the test result according to the testing methods or standards which are suggested from client.

**(signature)**

**Jin Won Seo / Technical Manager**

***This is only valid in connection with Test Report: R153R-D015***

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Reliability-001(Rev.3)

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## TEST REPORT

**Report No** .....: R153R-D015

**Date of issue** .....: March 03, 2015

**Testing Laboratory** .....: ONETECH

AGR. No.: A152A-180

**Address** .....: 43-14, Jinsaegol-gil, Chowol-eup, Gwangju-si, Gyeonggi-do  
464-862 Korea

**Applicant** .....: SAMSUNG TECHWIN CO., Ltd

**Address**.....: Samsung techwin R & D Center, 6 Pangyo-ro 319 beon-gil Bundang-gu,  
Seongnam-si. Gyeonggi-do, Koera

**Standard** .....: KS C IEC 60529:2006 / IP66

**Purpose of use**.....: Quality Control

**Number of pages (Report)**.....: 9 Pages

**Number of pages (Attachments)**.....: N/A

**Prepared by**.....:

**Reviewed by**.....:




(+ signature)

Dong Kyun Park / Engineer

(+ signature)

Jin Won Seo / Technical Manager

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## 1. CLIENT AND MANUFACTURER INFORMATION

- Applicant : SAMSUNG TECHWIN CO., Ltd
- Address : Samsung techwin R & D Center, 6 Pangyo-ro 319 beon-gil Bundang-gu, Seongnam-si,  
Gyeonggi-do, Koera
- Manufacturer : SAMSUNG TECHWIN CO., Ltd
- Address : 42, Sungju-dong, Changwon-si, Kyongsangnam-do, Korea
- Name of contact : jea soon Kang / Principal Engineer / js2002.kang@samsung.com

## 2. TEST SUMMARY

Standards	Test Items	Results
KS C IEC 60529:2006 / IP66	Degrees of protection provided by enclosures Test	PASS

## 3. EUT (Equipment Under Test)

### 3.1 Identification of EUT

- Equipment : Network Camera
- Type/model : SNV-L6083R
- Additional Model : SNV-L5083R
- Model difference : - Model SNV-L6083R is basic model, which was tested and it was the representative of  
the other Model.  
- Model SNV-L5083R are identical to basic model SNV-L6083R except for name only.

### 3.2 Configuration

Defined as equipment needed for correct operation of the EUT, but not considered as tested:

Model	Manufacturer	Description	Connected to
SNV-L6083R	SAMSUNG TECHWIN CO., Ltd	Network Camera (EUT)	-

#### 4. DEGREES OF PROTECTION PROVIDED BY ENCLOSURES TEST (IP66)

The Degrees of protection provided by enclosures Test (IP66) was performed at ONETECH Corp.

Date: February 27 ~ March 02, 2015

##### 4.1 Environmental condition

Ambient temperature 23 °C  
Relative humidity 44 % R.H.

##### 4.2 Test equipment used

Model Number	Manufacturer	Description	Serial Number
■ -	DAEKYUNG	JET NOZZLE SET(12.5 mm)	-
■ SOC-300DSEM	SCM	DUST CHAMBER	SOC-11-43-10DSEM

##### 4.3 Test condition

###### 4.3.1 Dust Test

Items		Descriptions
1st Characteristic Numbers		IP6X
Enclosures Category		<input checked="" type="checkbox"/> Category 1 <input type="checkbox"/> Category 2 <input type="checkbox"/> Category 1 and Category 2
Test Condition		-Wire diameter: 50 $\mu\text{m}$ -Width between wires: 75 $\mu\text{m}$ -Amount of talcum powder of the test chamber: 2 kg/m <sup>3</sup>
Method	Category 1	<input type="checkbox"/> If an extraction rate of 40 to 60 volumes per hour is obtained the duration of the test is 2 h. <input checked="" type="checkbox"/> If, with a maximum depression of 2 kPa(20 mbar), the extraction rate is less than 40 volumes per hour, the test is continued until 80 volumes have been drawn, or a period of 8 h has elapsed.
	Category 2	<input type="checkbox"/> The enclosure under test is supported in its normal operating position inside the test chamber, but is not connected to a vacuum pump. Any drain-hole normally open shall be left open for the duration of the test. The test shall be continued for a period of 8 h.
Acceptance Conditions		The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

#### 4.3.2 Water Test

Items	Descriptions
2nd Characteristic Numbers	IPX6
Test Condition	<ul style="list-style-type: none"> <li>-Internal diameter of the nozzle: 12.5 mm</li> <li>-Delivery rate: 100 l/min <math>\pm</math> 5 %</li> <li>-Distance nozzle to enclosure surface: Between 2.5 m &amp; 3 m</li> <li>-The duration of the test: 3 min</li> </ul>
Acceptance Conditions	<ul style="list-style-type: none"> <li>-In general, if any water has entered, it shall not;</li> <li>-Be sufficient to interfere with the correct operation of the equipment or impair safety.</li> <li>-Deposit on insulation parts where it could lead to tracking along the creepage distances</li> <li>-Reach live parts or windings not designed to operate when wet.</li> <li>-Accumulate near the cable end or enter the cable if any.</li> </ul>

#### 4.4 Test result

Item	IP Code	Result
SNV-L6083R	IP66	Pass



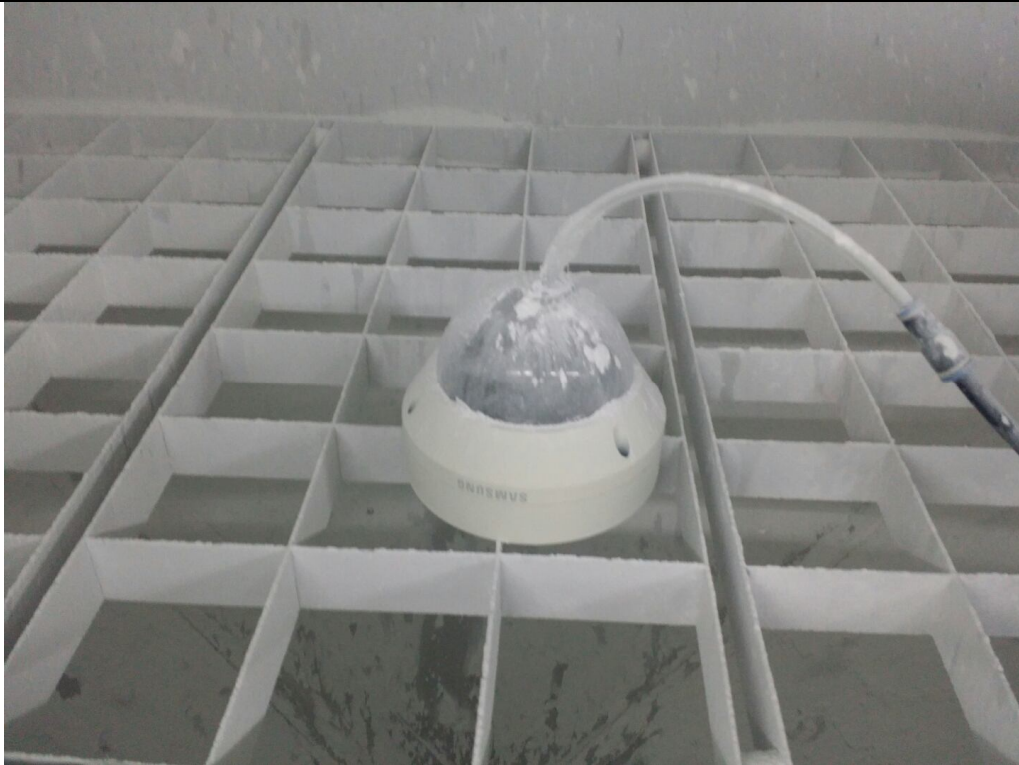
**Tested by: Dong Kyun Park / Test Engineer**

**APPENDIX I - PHOTO OF EUT**





**APPENDIX II - PHOTO OF IP66 TEST**



IP6X



IPX6



**APPENDIX III - PHOTO OF INSIDE AFTER IP66 TEST**



**APPENDIX IV - DRAWING**

