



한국전기안전공사
안전인증센터

TEST REPORT



KESCO Safety Test Center
Tel : 82-31-240-4500 Fax : 82-31-240-4590

Report No. : STC-B13-127

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1. Customer

- Name : SAMSUNG TECHWIN Co., Ltd.
- Address : 28, Seongju-dong, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, Korea
- Date of Receipt : 2013. 04. 12

2. Use of Test Report : Reference

3. Product : Anti-Vandal Dome Camera

- Model : SNV-6084R
- Serial No. : Not applicable

4. Test Period : 2013. 04. 12 ~ 2013. 04. 15

5. Test Method/Item : IEC 60529:2001 / IP66

6. Test Environment

- Temperature : (16 ± 1) °C
- Relative Humidity : (31 ± 5) % R.H.

7. Test Results : Pass

Conformation	Tested by Name B. R. Kim  Signature	Approved by Technical Manager Name D. K. Han  Signature
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- ☐ This is certified that the above mentioned products have been tested for the sample provided by customer and forbid the use except for original purpose.
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2013. 05. 21

The head of Korea Electrical Safety Corporation Safety Test Center

- ☐ 338-1, Yeonghwa Dong, Jangan Gu, Suwon City, Gyeonggi Do, 440-819, Korea

Test Report

IEC 60529: 2001



Safety Test Center

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Customer: SAMSUNG TECHWIN Co., Ltd.

Product: Anti-Vandal Dome Camera

Model: SNV-6084R

1. Test Environment

- Temperature: $(16 \pm 1) ^\circ\text{C}$, Relative Humidity: $(31 \pm 5) \% \text{ R.H.}$
- Location: Dust Chamber, IP Water Test Lab.

2. List of Used Equipment

Equipment	Description	Manufacturer	Model	Serial No.	Calibration Valid Until
A-74-01	Dust Chamber	PTL	P14	5040172	2013. 07. 17
A-75-04	Jet Nozzle	ED & D	JET-03	W0750119	2014. 04. 23
B-01-01	Stop Watch	Time Art	PC-80A	TPST002	2013. 10. 09
B-03-03	Tape measure	HIBO	-	-	2014. 05. 02

3. Test Date

Date of receipt of test item.....:	2013. 04. 12
Test Period.....:	2013. 04. 12 ~ 2013. 04. 15

4. Test Condition: IP66

5. Test Results: Pass

1) Dust Test

Test results for dust protection (first characteristic numeral 6)

Description of test:

1. Degree of protection.

No ingress of dust

2. Category for enclosure;

☒ Category 1

☐ Category 2

☐ Category 1 and Category 2

3. Testing method:

- The talcum powder used shall be able to pass through a square-meshed sieve the nominal wire diameter of which is $50 \mu\text{m}$ and the nominal width between wires was $75 \mu\text{m}$
- The amount of talcum powder was 2 kg per cubic meter of the chamber volume.
- The amount of talcum powder to be used is 2 kg per cubic metre of the test chamber volume.

Category 1

☐ If an extraction rate of 40 to 60 volumes per hour is obtained the duration of the test is 2 h

☒ 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 through, or

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		Model:	SNV-6084R

a period of 8 h has elapsed.

4. Test condition

The enclosure shall be deemed category 1 whether reductions in pressure below the atmospheric pressure are present or not.

5. Acceptance conditions

The protection is satisfactory if no deposit of dust is observable inside the enclosure at the end of the test.

6. Test result: Pass

2) Water Test

Test results for water protection (second characteristic numeral 6)

Description of test

1. Degree of protection.

Water from projected by a nozzle against the enclosure from any direction shall have no harmful effect

2. Testing method:

- The test was made by spraying the enclosure from all practicable directions with a stream of water from a standard test nozzle
- Nozzle internal diameter: 12.5 mm
- Delivery rate: 100 L/min \pm 5 %
- Water pressure: to be adjusted to achieve the specified delivery rate
- Test duration per square metre of enclosure surface area likely to be sprayed: 1 min
- Minimum test duration: 3 min
- Distance from the nozzle to the enclosure surface: between 2.5 m and 3 m

3. Acceptance conditions:

Dielectric strength test: N/A

It shall not;

- be sufficient to interfere with the correct operation of the equipment or impair safety;
- deposit on insulation parts where it could lead to tracking along the creepage distances;
- reach live parts or windings not designed to operate when wet;
- accumulate near the cable end or enter the cable if any.

4. Test result: Pass

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Product: Anti-Vandal Dome Camera

Model: SNV-6084R

6. Reference to difference of applicable model names

- The Test Report is based on a SNV-6084R model. Below additional model names are presented by SAMSUNG TECHWIN Co., Ltd. and made by same enclosures each other. Following model names just depend on their internal parts.

Model names : SNV-7084R, SNV-6084, SNV-5084

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Customer: SAMSUNG TECHWIN Co., Ltd.

Product: Anti-Vandal Dome Camera

Model: SNV-6084R



[Specimen]

1. Test Condition

- 1) Dust test for first characteristic numeral 6
 - Depression: 2 kPa
 - Duration of time: 8 h
- 2) Water test for second characteristic numeral 6
 - Internal diameter of the nozzle: 12.5 mm
 - Delivery rate: 100 L/min
 - Duration of time: 3 min

2. Applicant & Model

- SAMSUNG TECHWIN Co., Ltd. / Anti-Vandal Dome Camera(SNV-6084R)

3. Test Equipment

- A-74-01, A-75-04, B-01-01, B-03-03

Photo Documentation

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Product: Anti-Vandal Dome Camera

Model: SNV-6084R

4. Test Figure

1) Dust Test



[Before Test]



[After Test]

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Product: Anti-Vandal Dome Camera

Model: SNV-6084R

2) Water Test



[Before Test]



[During Test]