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시험 성적서

(TEST REPORT)

성적서 번호: R14KR-057

(Report No.)

페이지(Page of): (1)/(총 8)



1. 의뢰자 (Client)

-. 기관명 (Name): SAMSUNG TECHWIN Co., Ltd.

-. 주소 (Address): Samsungtechwin R&D Center, 6, Pangyo-ro 319beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do 463-400, KOREA

-. 의뢰일자 (Date of Receipt): 2014. 05. 13.

-. AGR No.: A145A-105

2. 시험성적서의 용도 (Use of Test Report): Quality Control

3. 시험대상품목 (Product): CCTV CAMERA

-. 모델명 (Type of Designation): SCV-5083* (*N:NTSC / P:PAL)

-. 제조번호 (Serial No.): N/A

4. 시험기간 (Date of Test): 2014. 05. 13. ~ 2014 .05. 14.

5. 시험방법 (Test Method Used): IEC 60529:2001

6. 시험환경 (Testing Environment)

○ 온도(Temperature): (23 ±2) °C,

○ 습도(Relative Humidity): (43 ±3) % R.H.

7. 시험결과 (Test Results): Refer to attached test report

8. 측정불확도 (Uncertainty of Measurement): N/A

-. 이 성적서는 고객이 제공한 시료에 대한 시험결과이며, 용도 이외의 사용은 금합니다.

This is certified that the above mentioned products have been tested for the sample provided by client and forbid the use except for original purpose.

-. 이 시험성적서는 (주)원텍의 승인 없이는 복제 및 재발급이 금지됩니다.

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(Name)

(서명)

(Signature)

승인자(Approved by)

기술책임자(Technical Manager)

성명 이관우
(Name)

(서명)

(Signature)

한국인정기구 인정

2014. 05. 15.

(주)원텍 대표이사

(The president of ONETECH Corp.)

-. 위 성적서는 국제시험기관인정협력체(International Laboratory Accreditation Cooperation) 상호인정협정(Mutual Recognition Arrangement)에 서명한 한국인정기구(KOLAS)로부터 공인받은 분야에 대한 시험결과입니다.

This test report is accredited by the Korea Laboratory Accreditation Scheme(KOLAS) which has Mutual Recognition Arrangement(MRA) with International Laboratory Accreditation Cooperation(ILAC).

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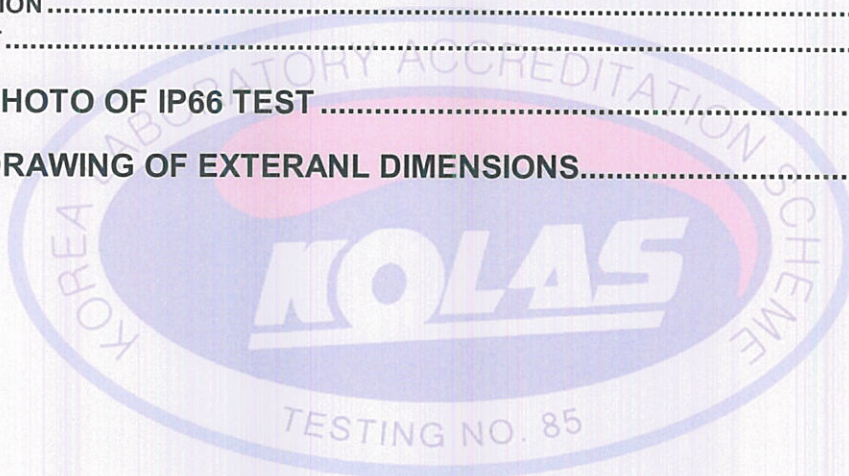
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OTC-기111-02(Rev.8)



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1. CLIENT AND MANUFACTURER INFORMATION

- Client : SAMSUNG TECHWIN Co., Ltd.
- Address : Samsungtechwin R&D Center, 6, Pangyo-ro 319beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do 463-400, KOREA
- Manufacturer : 1) SAMSUNG TECHWIN Co., Ltd.
2) TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC Co., Ltd.
- Address : 1) 42, SUNGJU-DONG, CHANGWON-SI, GYEONGSANGNAM-DO, KOREA
2) NO.11 Weiliu Road, Micro-Electronic Industrial Park Jingang Raod Tianjin CHINA
- Name of contact : Jeisoon Kang
- Telephone No. : +82-070-7147-8361
- Fax No. : +82-31-8108-3717

2. TEST STANDARD AND RESULT

Standards	Test Items	Results
IEC 60529:2001	Degrees of protection provided by enclosures (IP66)	PASS

3. EUT (Equipment Under Test)

3.1 Identification of EUT

- Equipment : CCTV CAMERA
- Basic model : SCV-5083* (*N:NTSC / P:PAL)
- Brand Name : N/A
- Serial number : N/A
- Derivative Model : SCV-5082* (*N:NTSC / P:PAL) / SCV-5083R* (*N:NTSC / P:PAL)

※ The difference between the basic model and the derivative model

- The model SCV-5082* (*N:NTSC / P:PAL) / SCV-5083R* (*N:NTSC / P:PAL)
are identical to basic model SCV-5083* (*N:NTSC / P:PAL) except for model name.

3.2 Configuration

Model	Manufacturer	Description	Connected to
SCV-5082* (*N:NTSC / P:PAL)	1) SAMSUNG TECHWIN Co., Ltd. 2) TIANJIN SAMSUNG TECHWIN OPTO-ELECTRONIC Co., Ltd.	CCTV 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: 2014. 05. 13. ~ 2014. 05. 14.

4.1 Environmental condition

Ambient temperature	(23 ±2) °C
Relative humidity	(43 ±3) % R. H.
Air pressure	101 kPa

4.2 Test equipment used

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

4.3 Test condition

4.3.1 Dust Test

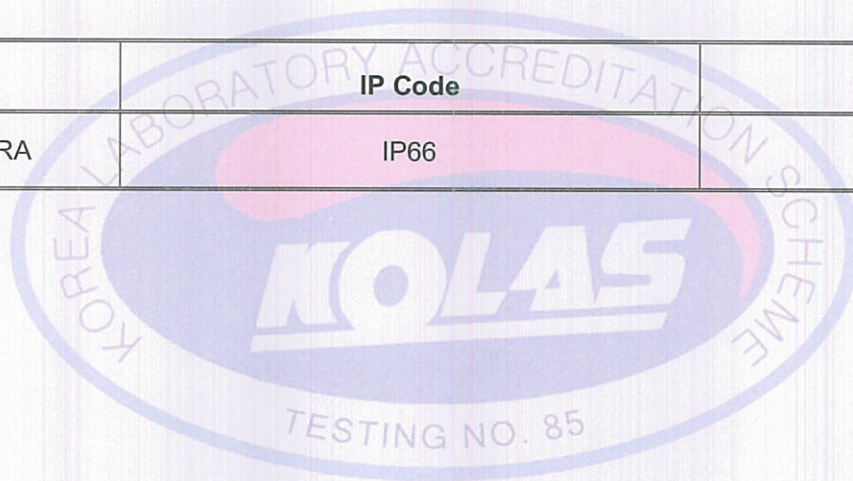
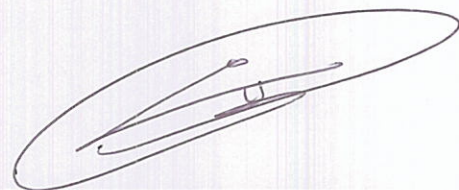
Items		Descriptions
1st Characteristic Numbers		6
Enclosures Category		<input checked="" type="checkbox"/> Category 1 <input type="checkbox"/> Category 2 <input type="checkbox"/> Category 1 and Category 2
Test Condition		- Wire diameter: 50 µm - Width between wires: 75 µm - Amount of talcum powder of the test chamber: 2 kg/m ³
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	6
Test Condition	<ul style="list-style-type: none"> - Internal diameter of the nozzle: 12.5 mm - Delivery rate: 100 l/min $\pm 5\%$ - Distance from nozzle to enclosure surface: Between 2.5 m & 3 m - The duration of the test: 3 min
Acceptance Conditions	<p>In general, if any water has entered, it shall not:</p> <ul style="list-style-type: none"> - 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.

4.4 Test result

EUT	IP Code	Result
CCTV CAMERA	IP66	PASS

Tested by: Sun Young Yoon / Test Engineer



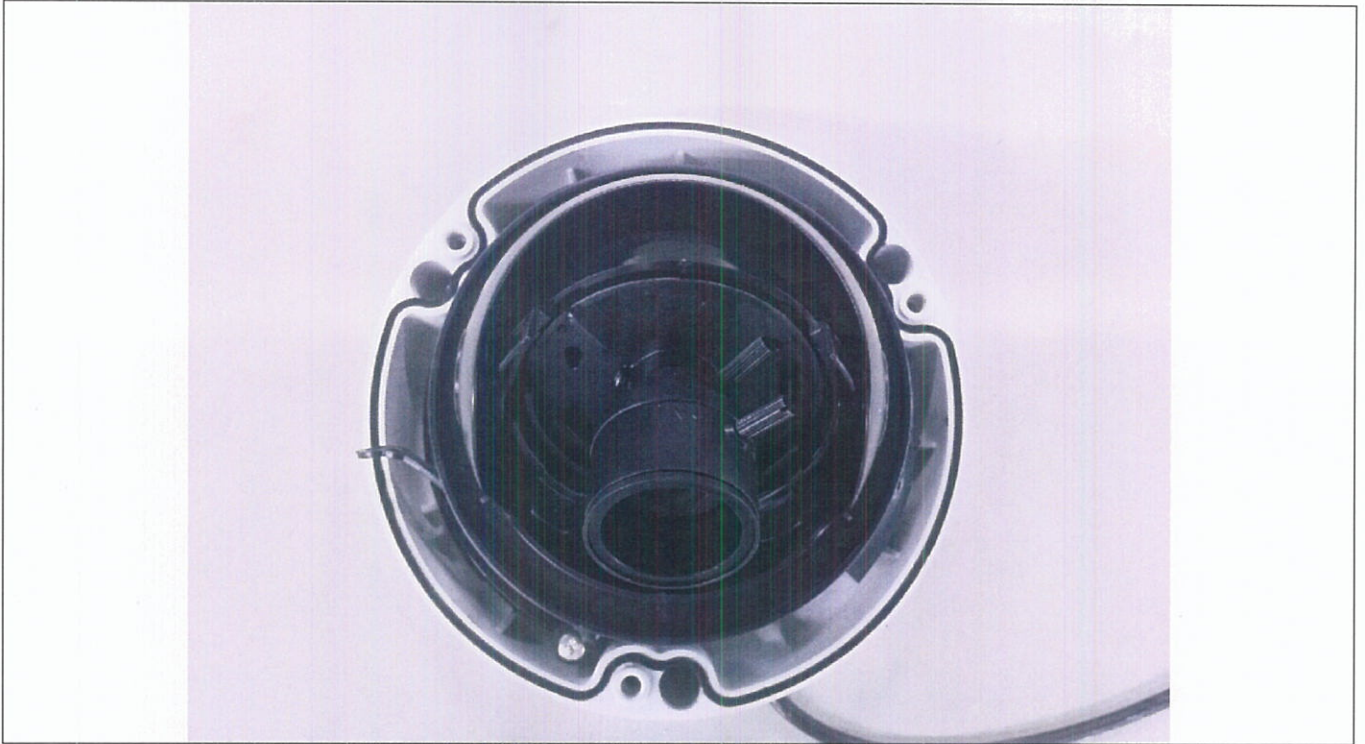
APPENDIX | – PHOTO OF IP66 TEST

Test for first characteristic numeral 6



Test for second characteristic numeral 6







APPENDIX II – DRAWING OF EXTERANL DIMENSIONS

