



**한국전기안전공사
안전인증센터**

**시험 성적서
TEST REPORT**



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

성적서 번호: STC-B08-182
(Report No.)
페이지(Page of) : (1)/(총 6)

1. 신청자 :
Customer

☐ 기관명 : (주) 이툴
Name ETOOL Inc.

☐ 주소 : 경기도 군포시 당정동 522 SK벤처움 104동 B102호
Address B102, 104 SK VENTUUM, 522 Dangjeong-Dong, Gunpo City, Gyunggi-do, Korea

☐ 의뢰일자 : 2008. 07. 30
Date of Receipt

2. 시험성적서 용도 : 참고시험(Reference)
Use of Test Report

3. 시험대상품목 : CCTV Camera Housing
Product(s)

☐ 모델명 : 4 page 참조
Type Designation(s)

☐ 제조번호: Not applicable
Serial No(s).

4. 시험기간 : 2008. 07. 30 ~ 2008. 08. 04
Date(s) of performance of test

5. 시험항목/방법 : IEC 60529: 2001 / IP66
Test Item(s)/Method(s)

6. 시험환경
Test Environment

☐ 온도 : (24 ± 3) °C
Temperature

☐ 상대습도 : (65 ± 5) % R. H.
Relative Humidity

7. 시험결과 : 적합
Test Result Pass

확 인
Conformation

작성자
Tested by

성명 석 현 일 (서명)
Name H. I. Sok Signature

승인자

Approved by

성명 오 정 훈 (서명)
Name J. H. Oh Signature

직책: 기술책임자
Position

2008. 08. 12

한국전기안전공사 안전인증센터장

The head of Korea Electrical Safety Corporation Safety Test Center



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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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TEST DATA

IEC 60529: 2001

KE/CO

Safety Test Center

Report No.: STC-B08-182 Customer: ㈜ 이블
Page No.: 2 / 7 Product: CCTV Camera Housing
Model: EH-5150 외 3 종

1. 시험 환경 (Test Environment)

- 온도 (Temperature) : $(24 \pm 3) ^\circ\text{C}$, 습도 (Relative Humidity) : $(65 \pm 5) \% \text{ R. H.}$
- 시험장소 (Location) : Dust Chamber, IP 주수 시험장 (IP Water Test Lab.)

2. 시험에 사용된 장비 명세 (List of Used Equipment)

사용장비명 Description	제조회사 Manufacturer	형식 Model	제조번호 Serial No.	교정유효일자 Calibration Valid Until
Dust Chamber	PTL	P14	5040172	2009. 07. 05
Jet Nozzle	ED & D	JET-03	W0750119	2009. 03. 13
Stop Watch	Time Art	PC-80A	TPST002	2008. 11. 28

3. 시험일자 (Test Date)

Date of receipt of test item.....:	2008. 07. 30
Date(s) of performance test.....:	2008. 07. 30 ~ 2008. 08. 04

4. 시험 조건 (Test Condition): IP66

5. 시험 결과 (Test Result): 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

TEST DATA

IEC 60529: 2001

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Safety Test Center

Report No.: STC-B08-182
Page No.: 3 / 7

Customer: (주) 이틀
Product: CCTV Camera Housing
Model: EH-5150 외 3종

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 for 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

TEST DATA

IEC 60529: 2001

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Safety Test Center

Report No.: STC-B08-182
Page No.: 4 / 7

Customer: 주 이틀
Product: CCTV Camera Housing
Model: EH-5150 외 3 종

6. 적용모델 (Applicable models)

아래 모델은 동일한 외함(Enclosure)를 사용하였으며, 모델 구분은 아래와 같음.

모델명	Heater & Blower 장착 유무
EH-5150	×
EH-5150HB	○
STH-500	×
STH-500H	○