

TEST REPORT

Report Ref. No. 11EMC-RT-0262

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Applicant

- Name SAMSUNG TECHWIN CO., LTD.
- Address 42, Sungju-dong, Changwon-si, Gyeongsangnam-do, 641-716
REPUBLIC OF KOREA

Factory

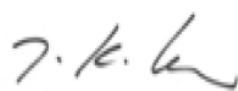
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Equipment

- Product Analog Camera
- Model SCO-2080R, SCO-2080RP, SCO-2080RN

Standard IEC 62262 and IEC 60068-2-75

Technician Sunbin, Hwang 

Approved Jaekyu, Lee 

1. Reference Documents

IEC 62262 and IEC 60068-2-75

Degrees of protection provided by enclosure for electrical equipment against external mechanical impacts (IK code)

2. Test Performed

Degree of protection provided by enclosure for external impacts IK10

3. General Test Conditions

tamb: 20 °C

RH: 25 %

4. Test Conditions

According to standard IEC 62262 and IEC 60068-2-75

The verification of IK10 has been done positioning the enclosure on a rigid support.

5 impacts have been applied on each surface in sight with the enclosure.

For the test used Pendulum Hammer

IK10 (Characteristics of impact test):

Energy: 20 Joule

Mass: 5 kg

High Δ h: 400 mm

5. Drop Zones:

The areas that were focused upon for this impact test are as follows:

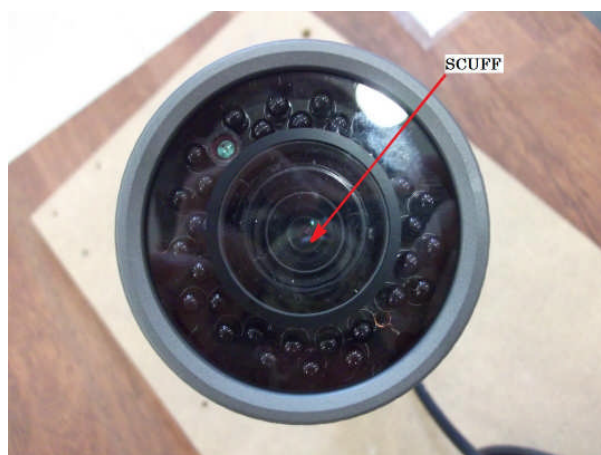
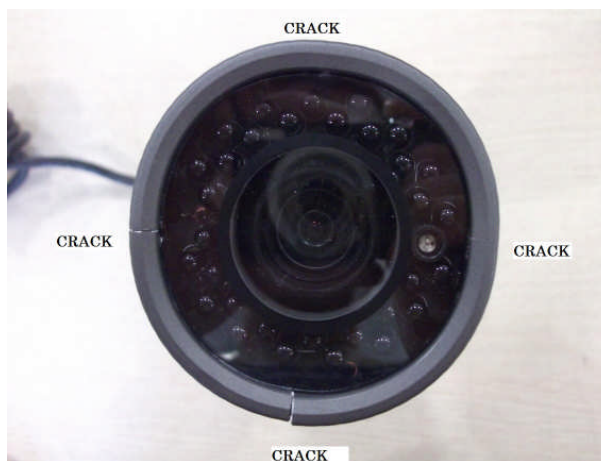


6. Test Results

Drop Zone: Enclosure		
Drop #	Orientation / Results	Pass / Fail
Drop 1	Normal to surface of enclosure. Scuff	Pass
Drop 2	Normal to surface of enclosure, about 90° circumferentially from previous drop. Crack	Pass
Drop 3	Normal to surface of enclosure, about 90° circumferentially from previous drop. Crack	Pass
Drop 4	Normal to surface of enclosure, about 90° circumferentially from previous drop. Crack	Pass
Drop 5	Normal to surface of enclosure, about 90° circumferentially from previous drop. Crack	Pass

Drop Zone: Window		
Drop #	Orientation / Results	Pass / Fail
Drop 1	Vertical drop onto center of Window. Scuff	Pass
Drop 2	Normal to surface of side Window. Scuff	Pass
Drop 3	Normal to surface of side Window, about 90° circumferentially from previous drop. Scuff	Pass
Drop 4	Normal to surface of side Window, about 90° circumferentially from previous drop. Scuff	Pass
Drop 5	Normal to surface of side Window, about 90° circumferentially from previous drop. Scuff	Pass

7. Images



Conclusion:

After testing according to the procedure set forth by IEC 62262, the SCO-2080R, SCO-2080RP, SCO-2080RN was found to meet the criteria required for an IK10 specification.