

TEST REPORT

Report Ref. No. 12EMC-RT-0458

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Applicant

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

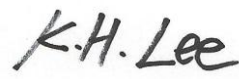
Factory

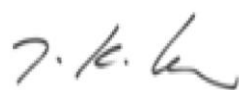
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Equipment

- Product CCTV CAMERA
- Model SCP-2370RHN, SCP-2370RHP, SNP-6200RHN, SNP-6200RHP,
VPM-6200RH, SNP-6320RH, SNP-6320RHN, SNP-6320RHP,
SNP-6230RHN, SNP-6230RHP

Standard IEC 62262 and IEC 60068-2-75

Technician Kwang Ho, Lee 

Approved Jae Kyu, 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: 26 °C

R.H: 43 %

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:



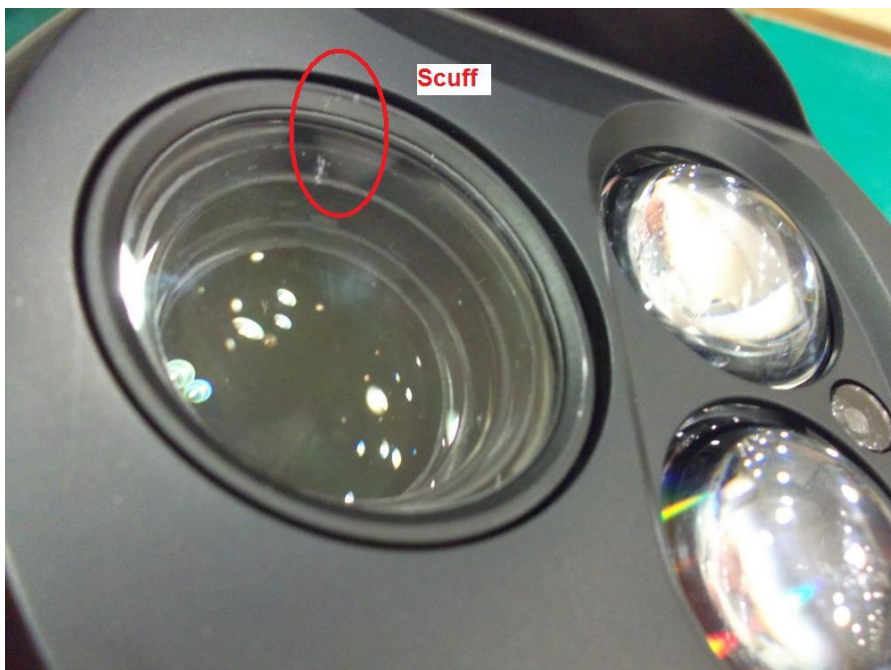
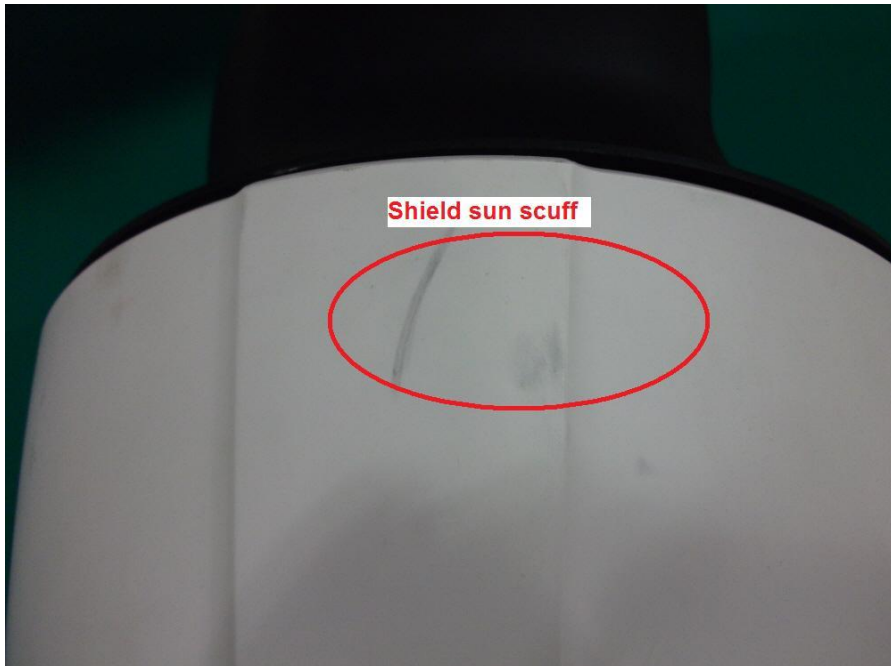
6. Test Results

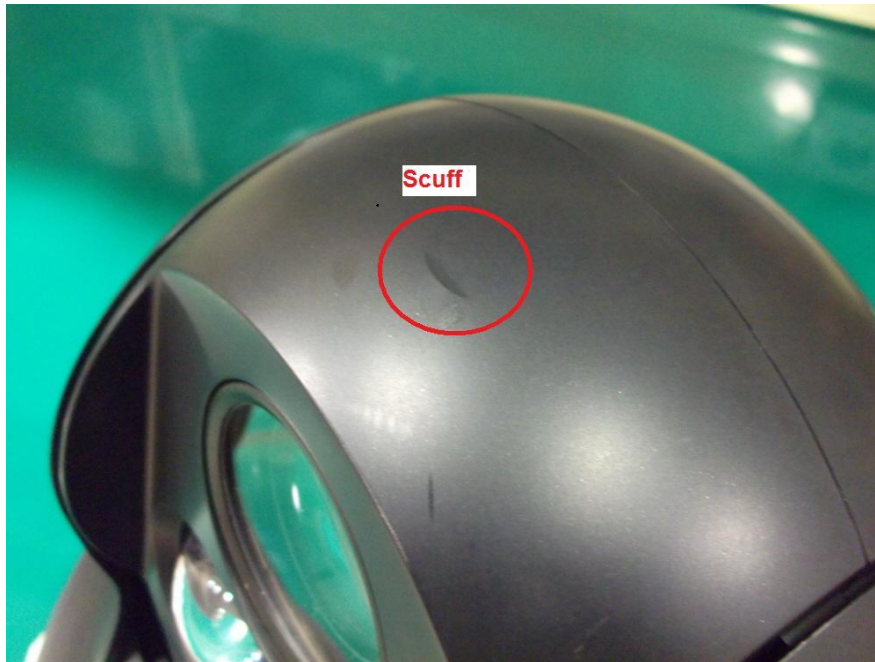
Drop Zone: Enclosure (Shield-sun)		
Drop #	Orientation / Results	Pass / Fail
Drop 1	Normal to surface of Shield-sun, Broken	Pass
Drop 2	Normal to surface of Shield-sun, about 90° circumferentially from previous drop, Screw cover open	Pass
Drop 3	Normal to surface of Shield-sun, about 90° circumferentially from previous drop, Scuff	Pass
Drop 4	Normal to surface of Shield-sun, about 90° circumferentially from previous drop, Scuff	Pass
Drop 5	Normal to surface of Shield-sun, about 90° circumferentially from previous drop, Scuff	Pass

Drop Zone: Enclosure (Head and Cover-dome in)		
Drop #	Orientation / Results	Pass / Fail
Drop 1	Vertical drop onto center of lens, Scuff	Pass
Drop 2	Normal to surface of Head cover, Scuff	Pass
Drop 3	Normal to surface of Head cover, about 90° circumferentially from previous drop, Scuff	Pass
Drop 4	Normal to surface of Head cover, about 90° circumferentially from previous drop, Scuff	Pass
Drop 5	Normal to surface of Cover-dome in, Scuff	Pass

7. Images









Conclusion:

After testing according to the procedure set forth by IEC 62262, the SCP-2370RHN, SCP-2370RHP, SNP-6200RHN, SNP-6200RHP, VPM-6200RH, SNP-6320RH, SNP-6320RHN, SNP-6320RHP, SNP-6230RHN and SNP-6230RHP was found to meet the criteria required for an IK10 specification.