

TEST REPORT

 CTK Co., Ltd. The Power Leader of Global Regulatory Certification	CTK Co., Ltd. (Ho-dong) 113, Yejik-ro, Cheoin-gu, Yongin-shi Gyeonggi-do KOREA, REPUBLIC OF Tel: +82-31-339-9970 Fax: +82-31-624-9501	REPORT No.: CTK-2018-00160 Page (1) / (11) pages	
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1. Applicant

- Name : Hanwha Techwin Co., Ltd.
- Address : Hanwha Techwin R&D center, 6 Pangyo-ro 319Beon-gil,
Bundang-gu, Seongnam-si, Gyeonggi-do, 13488 KOREA
- Date of Receipt..... : 2017-12-19

2. Manufacturer

- Name : HANWHA TECHWIN (TIANJIN) CO.,LTD.
- Address..... : No.11 Weiliu Rd, Micro-Electronic Industrial
Park, TEDA, Tianjin, 300385, People's Republic of China

3. Use of Report : KS C IEC 62262: 2005

4. Test sample / Model..... : Network Camera / PNM-7000VD* (*N:NT/P:PAL)

5. Date(s) of test : 2018-01-08

6. Test Standard (Method) used .. : Requested Test Specification of Applicant

7. Testing Environment : Temperature : (25.0 ± 10.0) °C, Humidity : (50 ± 25) %R.H.
Air Pressure: (99.0 ± 2) kPa

8. Results : Reference test results

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
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Approval	Tested by:	Technical Manager:
	WonHyeon Choi (Signature)	YenHwang Jung (Signature)

CTK Co., Ltd.

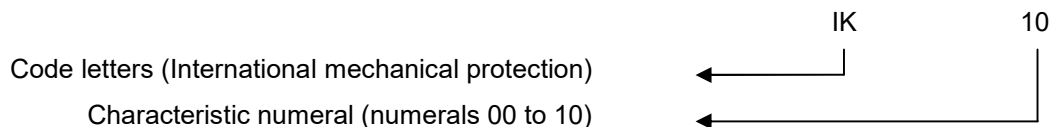


2018-01-22

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

1.1 Test standard: KS C IEC 62262: 2005

1.2 Arrangement of the IK code



1.3 Vertical Hammer

1.3.1 Test equipment

Equipment	Model	Manufacturer	Serial
Vertical Hammer	20J	Kingpo	TX028-1

1.3.2 Test condition

IK code	Impact Energy (J)	Equivalent mass (kg)	Drop height (mm ± 1%)	Application
00	Non-protected	-	-	☐
01	0.14	0.25	56	☐
02	0.20	0.25	80	☐
03	0.35	0.25	140	☐
04	0.50	0.25	200	☐
05	0.70	0.25	280	☐
06	1.00	0.25	400	☐
07	2.00	0.50	400	☐
08	5.00	1.70	300	☐
09	10.00	5.00	200	☐
10	20.00	5.00	400	☒

- Impact times: five times for each of the exposed surface. (Do not impact more than 3 times in the same spot)

1.3.3 Check Item

- Check the operation of the product before / after the test
- External protection Enclosure damage check (except accessories not related to outer protection function)

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1.3.4 Test Result

Item	Contents	Result
Operation after the test	Only the enclosure was obtained.	-
External protection Enclosure	No damage	Pass
Comment Related Product certification: IEC 60950-1 Only the enclosure was obtained and the electrical performance could not be verified. Some scratches were generated on the outside of the product and a part of the lens cover support located inside the enclosure is bent, so that the lens is not fixed.		

2. Attachment

2.1 Products



2.2 Test photos

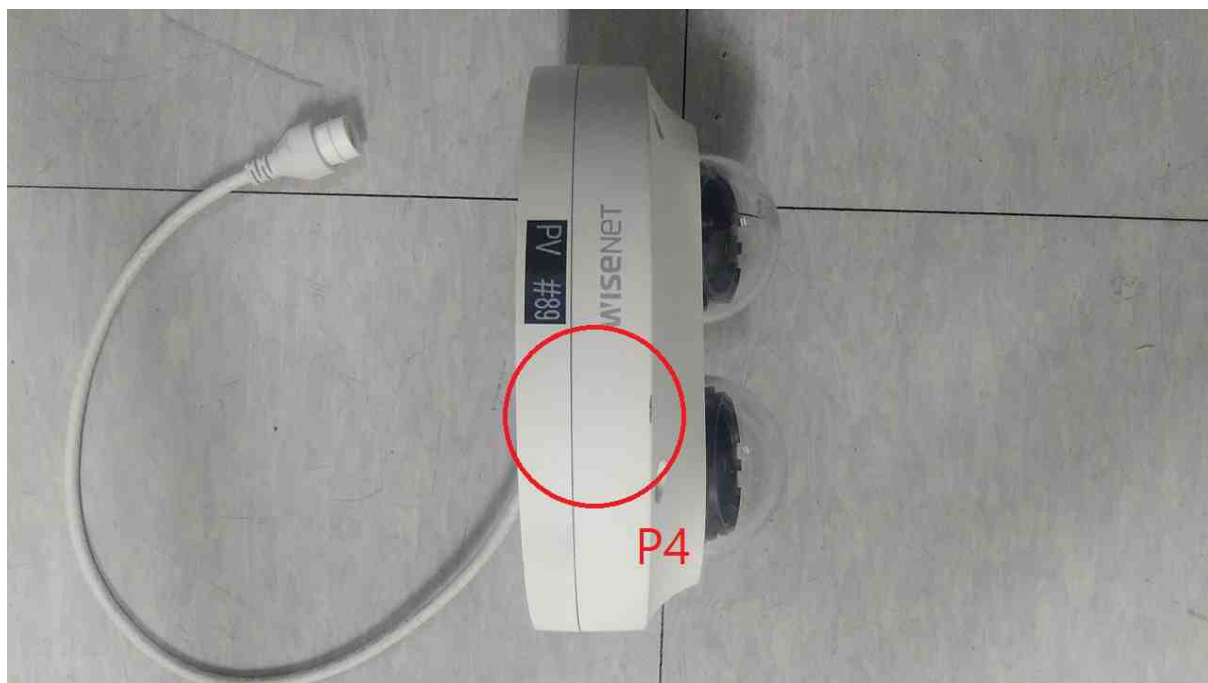


2.3 Photos after test

[P1][P2][P3]



[P4]



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[P5]



[P6] lens cover support



2.4 Enclosure Dimensions or Impact point (Unit: mm)

