


TEST REPORT

 CTK Co., Ltd. <small>The Power Leader of Global Regulatory Certification</small>	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-2020-04905-1 Page (1) / (8) 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.....: 2020-11-15

2. Manufacturer

- Name: Hanwha Techwin Co., Ltd

3. Use of Report: Quality control

4. Test sample / Model: NETWORK CAMERA / XNP-9250R


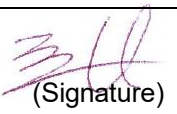
5. Date(s) of test: 2020-12-04

6. Test Standard (Method) used....: KS C IEC 62262: 2005

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

8. Results: Refer to each test items

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
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Approval	Tested by: Min-Gi Mun  (Signature)	Technical Manager: WonHyeon Choi  (Signature)
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2021-07-29



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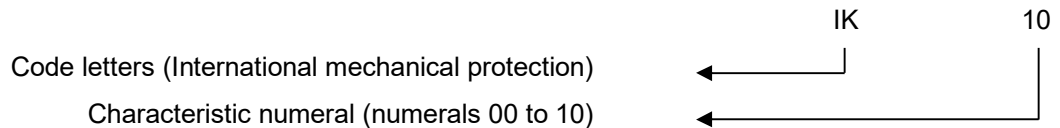
Test place

<p>Institution name</p>	<p>CTK Co., Ltd.</p>
<p>Address</p>	<p>113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea</p>

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	
Spring impact hammer	Spring impact hammer(IEC 60068-2-75)	Kingpo Technology Development Limited	KP-SH05	<input type="checkbox"/>
Vertical Hammer Tester	Vertical Hammer	Kingpo technology Development Limited	0190605A01002	<input checked="" type="checkbox"/>
Vertical Hammer	20J	Kingpo	TX029-3	<input checked="" type="checkbox"/>

1.3.2 Test condition

IK code	Impact Energy (J)	Equivalent mass (kg)	Drop height (mm ± 1%)	Application
00	Non-protected	-	-	<input type="checkbox"/>
01	0.14	0.25	56	<input type="checkbox"/>
02	0.20	0.25	80	<input type="checkbox"/>
03	0.35	0.25	140	<input type="checkbox"/>
04	0.50	0.25	200	<input type="checkbox"/>
05	0.70	0.25	280	<input type="checkbox"/>
06	1.00	0.25	400	<input type="checkbox"/>
07	2.00	0.50	400	<input type="checkbox"/>
08	5.00	1.70	300	<input type="checkbox"/>
09	10.00	5.00	200	<input type="checkbox"/>
10	20.00	5.00	400	<input checked="" type="checkbox"/>
- Impact times: five times for each of the exposed surface. (Do not impact more than 3 times in the same spot)				

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1.3.3 Check Item

- External protection Enclosure damage check (except accessories not related to outer protection function)

1.3.4 Test Result

Item	Contents	Result
External protection Enclosure	No damage	Pass
<p>Comment</p> <p>Some scratches were generated on the outside of the product.</p>		

Manufacturer's name

<p>Name and address of factory (ies)</p>	<p>1) HANWHA TECHWIN SECURITY VIETNAM CO.,LTD Lot O-2, Que Vo Industrial Zone extended area, Nam Son commune, Bac Ninh city, Bac Ninh province, Vietnam</p> <p>2) D-TECH CO.,LTD. 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea (Suwon Industrial Complex)</p>
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Model description

Basic Model	XNP-9250R
Series model	XNP-8250R, XNP-6400R, XNP-9250, XNP-8250, XNP-6400, QNP-6320R, QNP-6250R, XNP-L6322R, XNP-L6252R
Model differences	Use of the same external shape and materials (case, finishing material, PCB, cable, etc.), differences in electronic parts inside the product.



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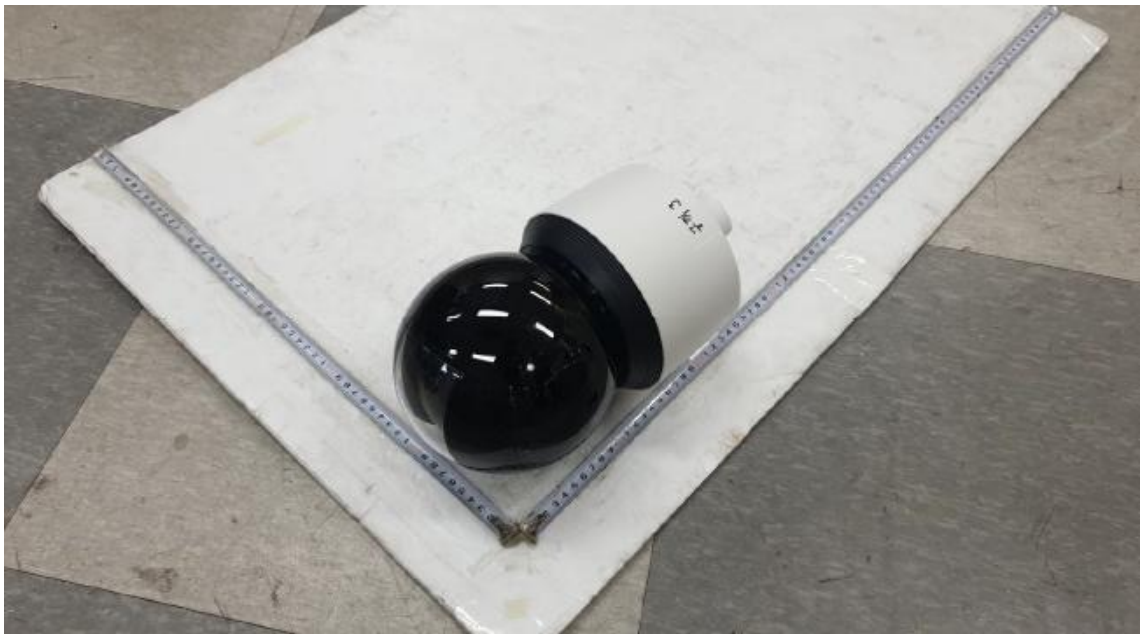
2. Attachment

2.1 Products

< Photo 1 > Product External view



< Photo 2 > Product External view





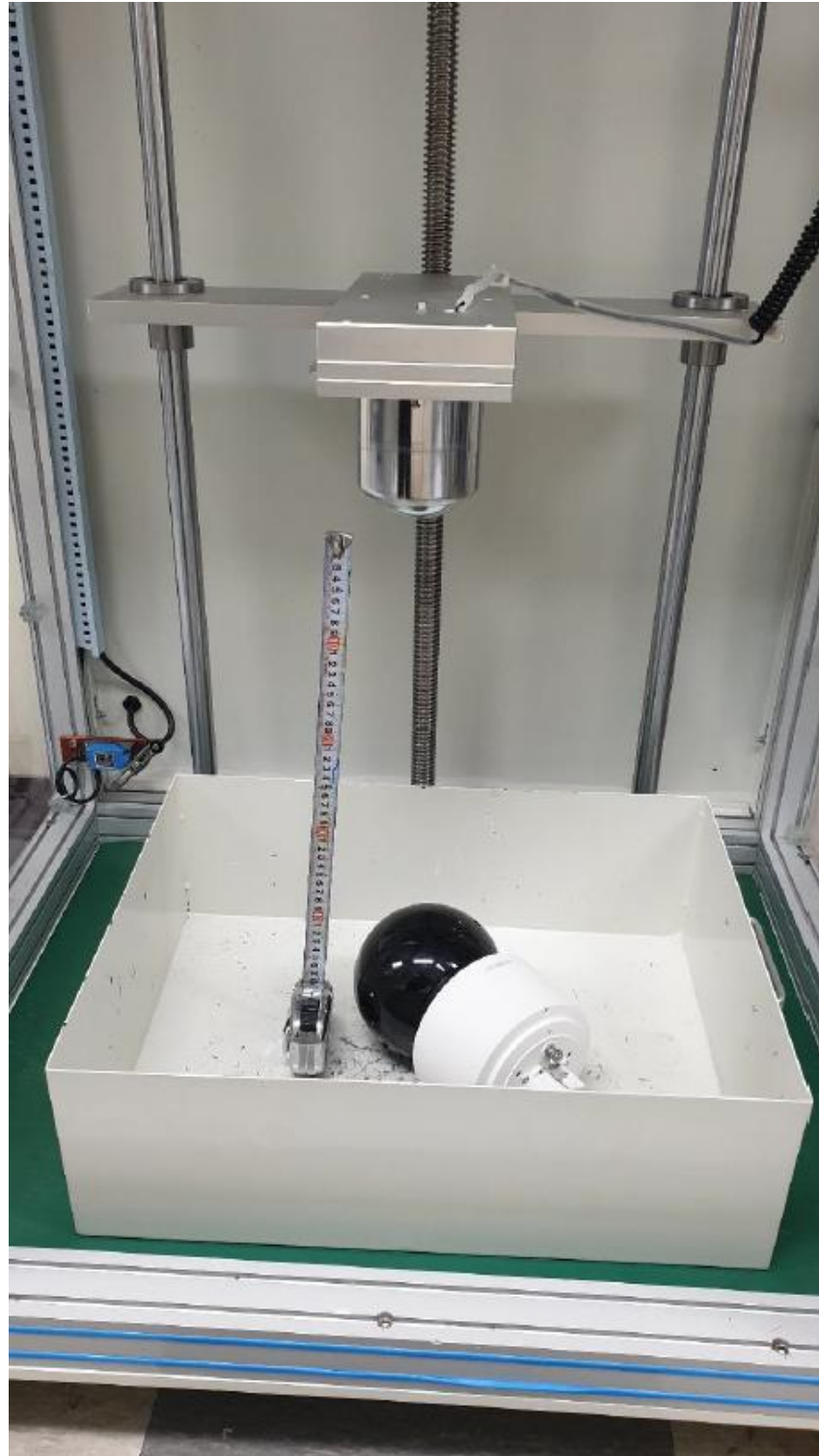
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2.2 Test photos

< Photo 3 > Test photo





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2.3 Photos after test

< Photo 4 >



< Photo 5 >





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2.4 Enclosure Dimensions or Impact point (Unit: mm)

