

TEST REPORT



CTK Co., Ltd.

5 Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si,
Gyeonggi-do, Republic of Korea
Tel: +82-31-339-9970
Fax: +82-31-624-9501

REPORT No.:
CTK-2023-02692
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1. Applicant

- Name : Hanwha Vision Co., Ltd
- Address : 6 Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488 KOREA
- Date of Receipt : 2023-11-21

2. Manufacturer

- Name : Hanwha Vision Co., Ltd

3. Use of Report :

For customer submission

4. Test sample / Model :

NETWORK CAMERA/PNM-C16013RVQ

5. Date(s) of test :

2023-11-28

6. Test Standard (Method) used :

KS C IEC 62262: 2005

7. Testing Environment :

Temperature: (25 ±10) °C, Humidity: (50 ±25) %R.H.
Pressure: (96 ±10) kPa

8. Test Results :

Clause 4. Refer to the test results

■ Permanent Testing Lab □ On Site Testing

9. Location of Test :

(5 Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si,
Gyeonggi-do, Republic of Korea)

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
	Name: HyungUk Jeon (Signature)	Name: SooChan Bae (Signature)

Remark. This report is not related to KOLAS accreditation and relevant regulation.

11-30, 2023

CTK Co., Ltd.



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1. Testing laboratory

1.1 Testing laboratory information

Lab. Name	CTK Co., Ltd.
Address	5 Dongbu-ro 221beon-gil, Cheoin-gu, Yongin-si, Gyeonggi-do, Republic of Korea
Tel.	+82-31-339-9970
Fax.	+82-31-624-9501
E-Mail	ctk@e-ctk.com
Website	e-ctk.com

1.2 Testing laboratory accreditation status

Country	Classification	Accreditation Number	Logo
International	KOLAS	TESTING NO. KT119	

2. Product description and equipment information

2.1 Product description

Product Name	Model Name	Quantity	Comment
NETWORK CAMERA	PNM-C16013RVQ	1 EA	-

2.2 Testing equipment information

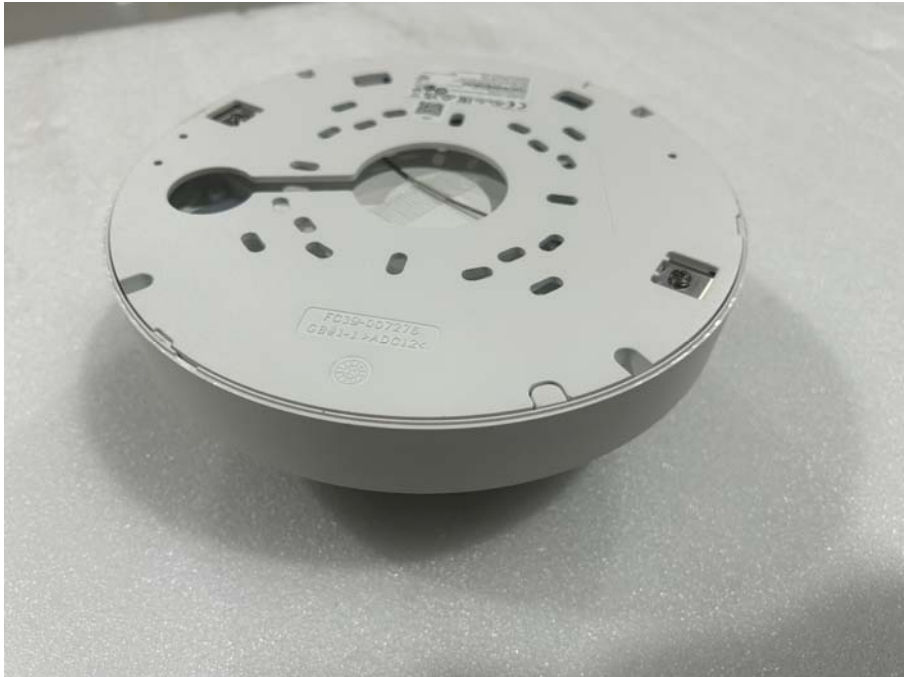
Testing equipment	Model Name	Manufacturer	Manufacturing Number	Calibration Date
Vertical Hammer Tester	Vertical Hammer	Kingpo	0190605A01002	-
Vertical Hammer	10J	Kingpo	TX028-2	-
Steel measuring meter	5.5 m	KOMELON	225851	2023-03-27

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2.3 Manufacturer's name

Name and address of factory (ies)	1) HANWHA VISION VIETNAM COMPANY LIMITED Lot O-2, Que Vo Industrial Zone extended area, Nam Son ward, Bac Ninh city, Bac Ninh province, Vietnam 2) D-TECH CO., LTD. Suwon INDUSTRIAL COMPLEX NO 2, 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Republic of Korea
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2.4 Pre-test product images



3. Test conditions and methods

3.1 Test duration, Environmental conditions, and Location

3.1.1 Test date : Nov 10, 2023 ~ Nov 14, 2023

3.1.2 Measured environmental conditions

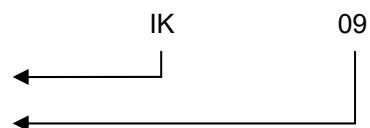
Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	23	29	93.1

3.2 Test standard: KS C IEC 62262: 2005

3.2.1 Arrangement of the IK code

Code letters (International mechanical protection)

Characteristic numeral (numerals 00 to 10)



3.2.2 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)				

3.3 Testing images

3.3.1 Test environment setup image



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4. Test result

4.1 Test result table

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

※ Refer to the sample images after the test is completed. (Clause 4)

4.2 Post-test product images and hit area images

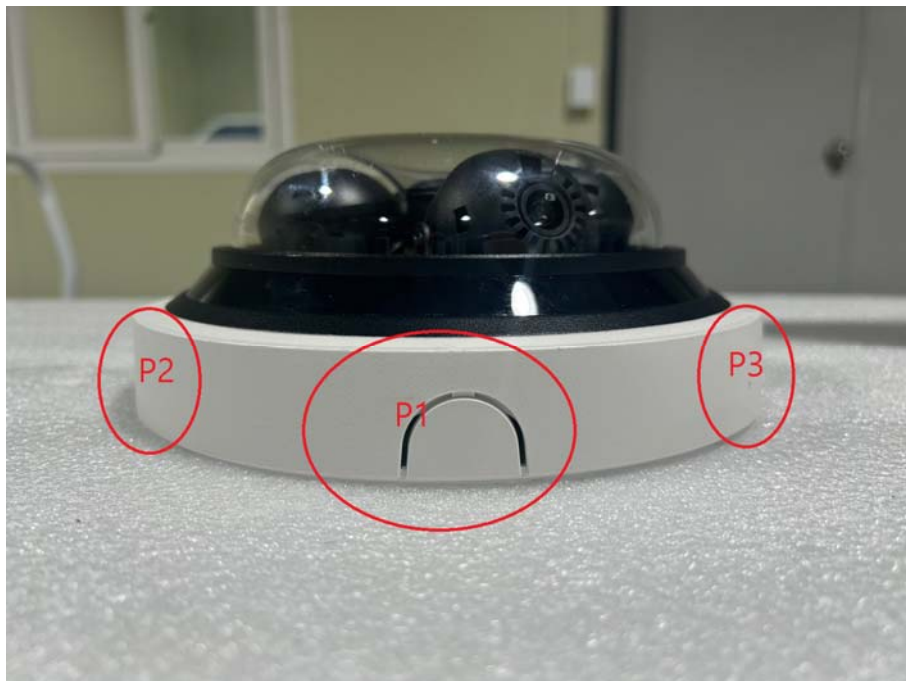
4.2.1 Check the hit area during the test







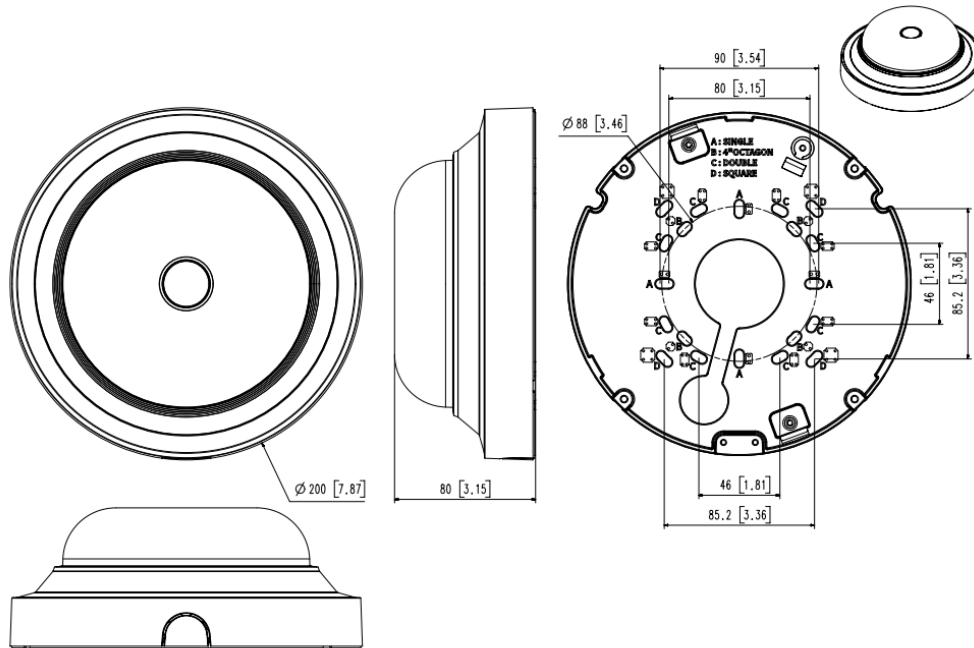
4.2.2 Post-test product images



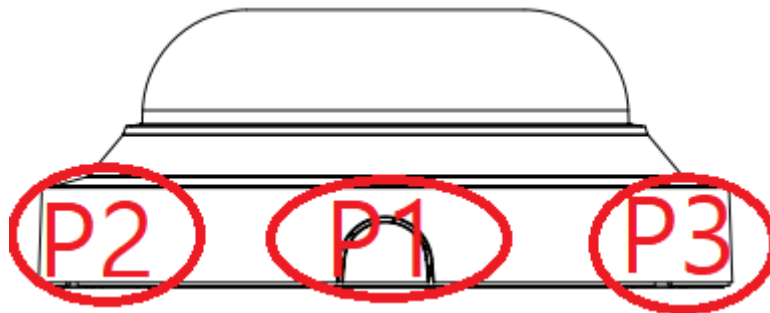
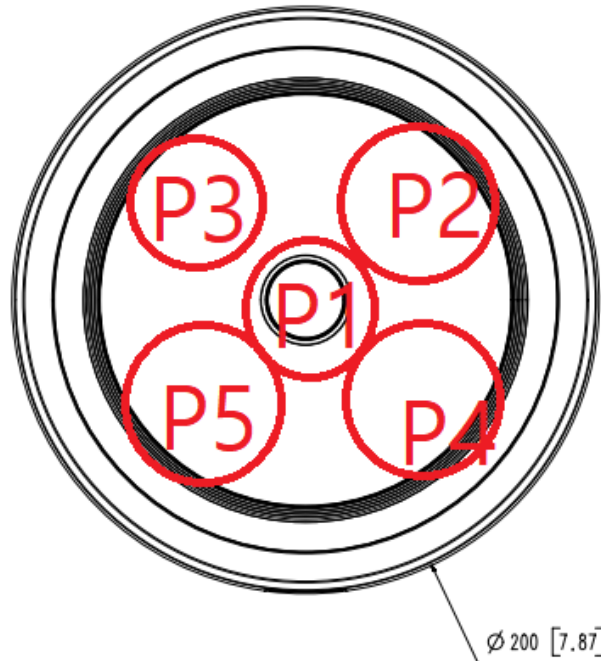


4.3 Enclosure Dimensions or Impact point (Unit: mm)

4.3.1 Enclosure Dimensions



4.3.2 Impact point

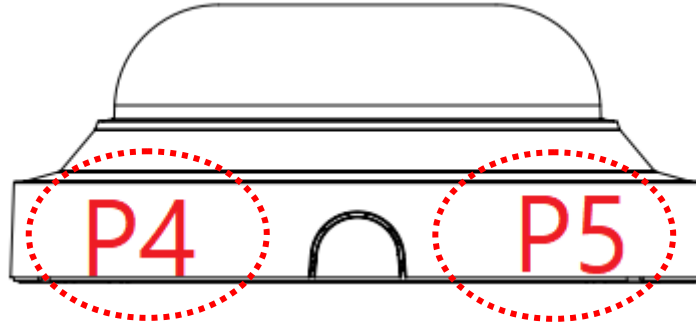




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