

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

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1. Applicant

- Name : Hanwha Vision Co., Ltd
- Address : 6, Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si,
Gyeonggi-do, 13488 Republic of Korea
- Date of Receipt : Mar. 06, 2026

2. Manufacturer

- Name : Hanwha Vision Co., Ltd

3. Use of Report :

For submission to customer

4. Test sample / Model :

NETWORK CAMERA / SPS-A8016

5. Date(s) of test :

Mar. 10, 2026

6. Test Standard (Method) used :

IEC 62262:2002+AMD1:2021

7. Testing Environment :

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

8. Test Results :

Refer to the test results

9. Location of Test :

☒ Permanent Testing Lab ☐ On Site Testing
(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: HongBeom Jeon (Signature)	Name: HoHyun Lee (Signature)

Remark. This report is not related to ISO/IEC 17025, KOLAS accreditation and relevant regulation.

Mar. 31, 2026

CTK Co., Ltd.



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1. Testing laboratory

1.1 Testing laboratory information

Lab. Name	CTK Co., Ltd.
Representative	Young Joseph Seungwon
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	all.youngin@element.com
Website	www.elementkorea.kr

1.2 Testing laboratory accreditation status

Country	Classification	Accreditation Number	Logo
International	KOLAS	TESTING NO. KT119	

※ CTK Co., Ltd. is an independent third-party testing laboratory and is not affiliated with the manufacturer (Hanwha Vision Co., Ltd.) or any of its parent or subsidiary companies.

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2. Product description and equipment information

2.1 Product description

Sample Name	Model Name	S/N	Date of Manufacture	Quantity	Comment
Network Camera	SPS-A8016	ZXLL70GL20004AP	Feb, 2026	1 EA	-

2.2 Equipment information

Testing equipment	Model Name	Manufacturer	Manufacturing Number	Next Cal. Date
Vertical Hammer Tester	Vertical Hammer	Kingpo	0190605A01002	-
Vertical Hammer	20J	Kingpo	TX028-3	-
Steel measuring meter	5.5 m	KOMELON	225851	Jan. 13, 2028

※ All test equipment used for this testing was calibrated in accordance with the manufacturer's requirements, and the calibration ranges cover the measurement values recorded in this report.



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2.3 Pre-test product images

2.3.1 Test sample



Top



Bottom



Front



Rear



Left side



Right side



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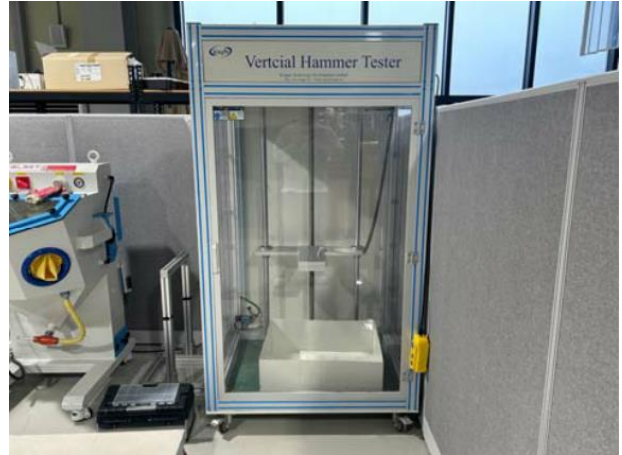
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2.4 Testing equipment images

2.4.1 Test equipment



Vertical Hammer



Vertical Hammer Tester



Steel measuring meter

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

3.1 Test date and environmental conditions

3.1.1 Test date: Mar. 10, 2026

3.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	23.5	33.5	100.6

3.2 Test condition

3.2.1 Test standard: IEC 62262:2002+AMD1:2021

IK code	Impact Energy (J)	Equivalent mass (kg)	Drop height (mm $\pm$ 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	☐
11	50.00	10.00	500	☐

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 Evidence of test setting



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3.4 Test result**3.4.1 Test result table**

Evaluation Criteria	Test Results	Remark
Visual Inspection	Some scratches were generated on the outside of the product.	-

※ Refer to the product photos after the completion of testing in section 3.5.2

3.5 Post-test product images and hit area images

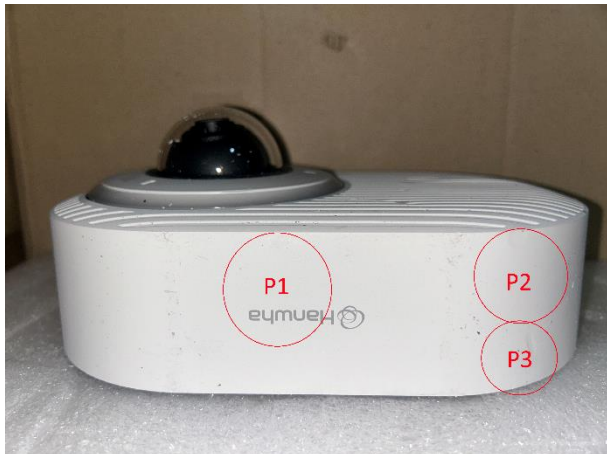
3.5.1 Check the hit area during the test



Check the hit area the test_1



Check the hit area the test_2



Check the hit area the test_3



Check the hit area the test_4



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3.5.2 Post-test product images



Top



Bottom



Front



Back



Left side



Right side



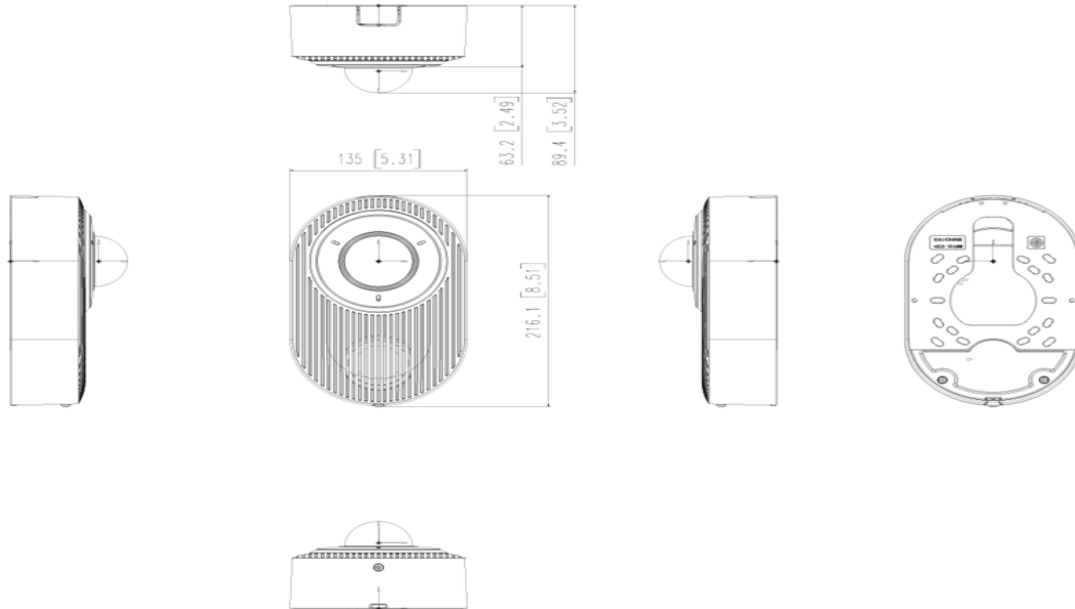
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3.6 Enclosure Dimensions or Impact point

3.6.1 Enclosure Dimensions (Unit: mm)



- End -