

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 KOREA
- Date of Receipt : Dec. 23, 2025

2. Manufacturer

- Name : Hanwha Vision Co., Ltd.

3. Use of Report :

For submission to customer

4. Test sample / Model :

NETWORK CAMERA / XNP-A6374RH

5. Date(s) of test :

Jan. 09, 2026 ~ Jan. 21, 2026

6. Test Standard (Method) used :

IEC 60529:1989 +A1:1999+A2:2013

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
(113, Yejik-ro, 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. This report cannot be reproduced or copied without the written consent of CTK.

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.

Feb.10 , 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	

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2. Product description and equipment information

2.1 Product description

Product Name	Model Name	Quantity	Comment
NETWORK CAMERA	XNP-A6374RH	1 EA	–

2.2 Equipment information

Testing equipment	Model Name	Manufacturer	Manufacturing Number	Next Cal. Date
Push Pull Gage	FB30K	Imada	83805	Jan.12, 2027
Test Rod Probe Ø1.0	TRP-02	ED&D	S1-J15	May. 16, 2027
Dust Chamber	NONE	JFM	S5-IP02	Feb. 14, 2026
Water flow meter with IPX6	M-25	LZT	1903	Feb. 17, 2026
Hose Nozzle (12.5 mm)	IPX6	Kingpo	S5-IP07	-
Steel measuring meter	5.5 m	KOMELON	225851	Jan. 13, 2028

2.3 Pre-test product images

2.3.1 Test sample #1



Top



Bottom



Front



Rear



Left side



Right side



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2.4 Testing equipment images

2.4.1 Test equipment (1)



Push Pull Gage



Test Rod Probe Ø1.0



Dust Chamber



Water flow meter with IPX6



Hose Nozzle (12.5 mm)



Steel measuring meter



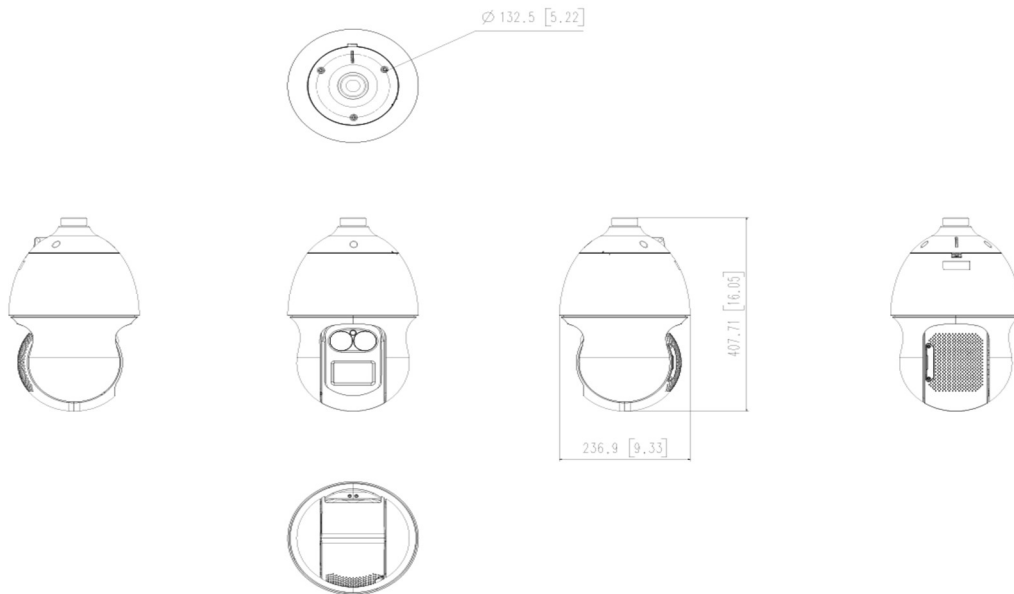
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2.5 Product appearance

Enclosure dimensions [unit : mm]



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3. Degrees of protection provided by enclosures (IP code)

3.1 Test date and environmental conditions

3.1.1 Test date: Jan. 09, 2026 ~ Jan. 23, 2026

3.1.2 Measured Environmental Conditions

Item	Temperature (°C)	Humidity (% R.H.)	Pressure (kPa)
Measurement	25.5	42.2	100.8

3.2 Test conditions and methods

3.2.1 Test standard: IEC 60529:1989+A1:1999+A2:2013

3.2.2 Arrangement of the IP code

	IP	6	6
Code letters (International protection)	←		
First characteristic numeral (numerals 0 to 6, for letter X)	←		
Second characteristic numeral (numerals 0 to 8, for letter X)	←		

3.2.2.1 Degree of protection against access to hazardous parts indicated by the first characteristic numeral

First characteristic numeral	Degree of protection	Application
6	Protected against access to hazardous parts with a wire. The access probe of 1.0 mmØ, shall not penetrate. Test force: 1 N ± 10 %	☒

NOTE In the case of the first characteristic numerals 3, 4, 5 and 6, protection against access to hazardous parts is satisfied if adequate clearance is kept. The adequate clearance should be specified by the relevant product committee in accordance with 12.3.

Due to the simultaneous requirement specified in table 2, the definition “shall not penetrate” is given in table 1.

3.2.2.2 Degree of protection against solid foreign objects indicated by the first characteristic numeral



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First characteristic numeral	Degree of protection	Application
6	In Dust Testing Equipment, the test sample must have no ingress of dust after testing atmospheric pressure present condition for 8 h. (The talcum powder must pass through a calibrated sieve with a 50 µm wire mesh, spaced at 75 µm intervals in a square pattern. Additionally, the bulk density of the talcum powder should be 2 kg/m³) Products in volume: 17 931.01 cm³ → 17.93 L Target intake volume (Products in volume 80) : 1 434.48 L Suction volume (Max product in volume 60) ...: 1 075.86 LPH → 17.93 LPM Actual Suction volume: 2.98 L Suction pressure (Up to 2 kPa): 2 kPa Test time (Up to 8 time): 8 hr	☒
¹⁾ The full diameter of the object probe shall not pass through an opening of the enclosure. Due to the simultaneous requirement specified in table 2, the definition “shall not penetrate” is given in table 1.		

3.2.2.3 Degree of protection against water indicated by the second characteristic numeral

Second characteristic numeral	Degrees of protection	Application
6	The product must not be harmed in any direction even strong jet water. Water jet hose nozzle Fig.6, Nozzle 12.5 mm diameter Water flow rate: 100 l/min ± 5 % : 100 LPM Distance: 2.5 m to 3 m: 3 m Duration of test: 1 min/m² at least 3 min: 3 min	☒



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3.3 Testing images

3.3.1 Evidence of test setting (1)



Probe test



Probe test



Probe test



Probe test



Dust test



Water test

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3.4 Test result**3.4.1 Test result table**

IP code	Evaluation Criteria	Test Results	Remark
IP 6X	No ingress of Probe	Normal	-
	No ingress of dust	Normal	
IP X6	No ingress of water	Normal	

※ Refer to the product photos after the completion of testing in section 3.5.

3.5 Post-test product images

3.5.1 Product internal images after test [The first, second characteristic numeral test]



- End -