

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-2023-02324
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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 : 2022-10-12

2. Manufacturer

◦ Name : Hanwha Vision Co., Ltd

3. Use of Report

: Quality control

4. Test sample / Model

: NETWORK CAMERA / XNP-C9310R
PoE Injector / PT-PSE109GBRO-AH-S

5. Date(s) of test

: 2023-10-22 to 2023-10-23

6. Location of Test

: ☒ Permanent Testing Lab ☐ On Site Testing

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

7. Test Standard (Method) used

: Requested Test Specification by applicant :
NEMA TS 2-2013
[2.2.7.2 Test B : Transient Tests
(Power Service) - 13. C.]

8. Testing Environment

: Temperature: (20.0 ± 1.0) °C,
Humidity: (50.0 ± 1.0) %R.H.

9. Test Results

: Refer to each test items

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.
This Test Report cannot be reproduced, except in full.

Affirmation	Tested by	Technical Manager
	Min-Gi Mun (Signature)	SooChan Bae (Signature)

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

2023-10-26

CTK Co., Ltd.



1. NEMA TS 2-2013

[2.2.7.2 Test B : Transient Tests(Power Service) - 13. C.]

1.1. Test equipment

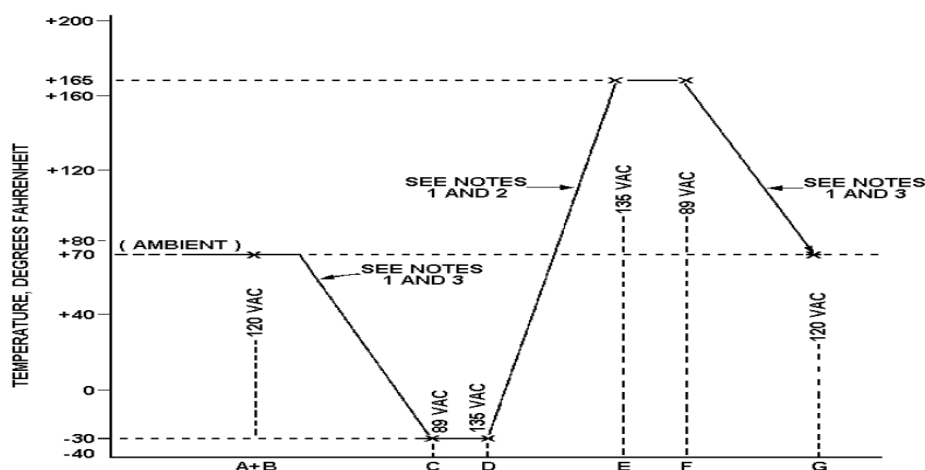
Test equipment	Model	manufacturer	Serial
Temperature & Humidity Chamber	ARS-0390-AE	ESPEC	4120200113

1.2. Test condition

Basic condition	Test condition
Sample state	Operating state
Application step	Step E – Step F
Applied voltage	Step E – Step F(135 Vac ~ 89 Vac)
Temperature / Humidity	74 °C = 165 °F
Test Time(h)	15 h

– Test methods

- The sample is placed in the chamber.
- NEMA TS 2-2013 [2.2.7.2 Test B: Transient Tests(Power Service)-13. C.] Apply power in step of application.
- Perform the temperature/humidity test according to NEMA TS 2-2013 [2.2.7.2 Test B: Transient Tests (Power Service)-13. C.].



[NEMA TS 2-2013[2.2.7.2 Test B : Transient Tests(Power Service) 13. C.] Test profile]

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1.3. Check Item

- Check the operation before/during/after the test

1.4. Test Result

- **Pass**

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 commune, Bac Ninh city, Bac Ninh province, Vietnam 2) D-TECH CO.,LTD. 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea (Suwon Industrial Complex)
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Model description

Basic Model:	XNP-C9310R
Series model:	XNP-C7310R
Model differences:	Use of the same external shape and materials (case, finishing material, PCB, cable, etc.), differences in electronic parts inside the product.

2. APPENDIX

2.1. Product Photographs

< Photo 1 > Product External view



< Photo 2 > Product External view



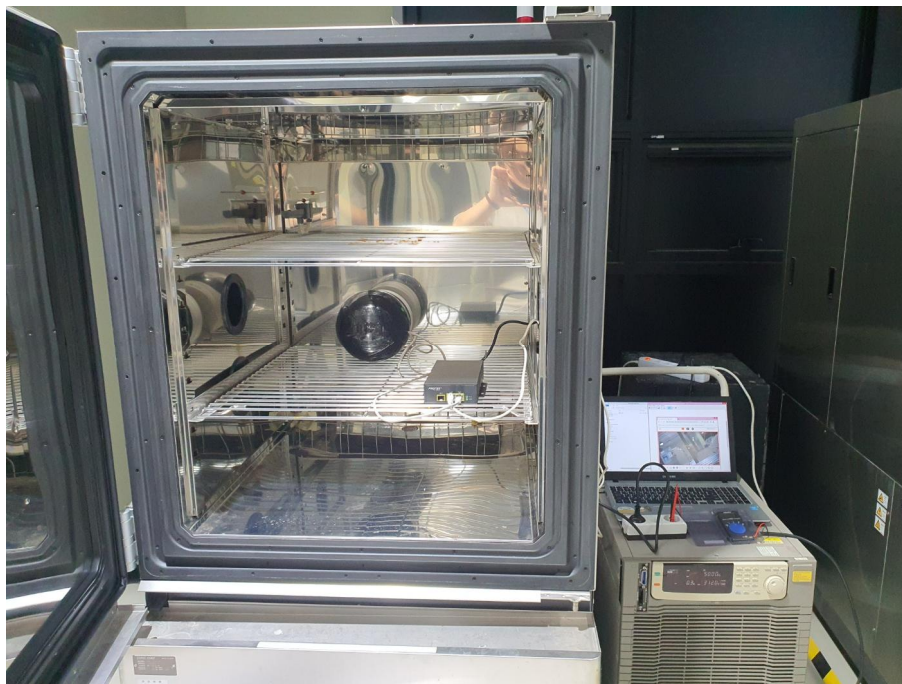
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< Photo 3 > Product label

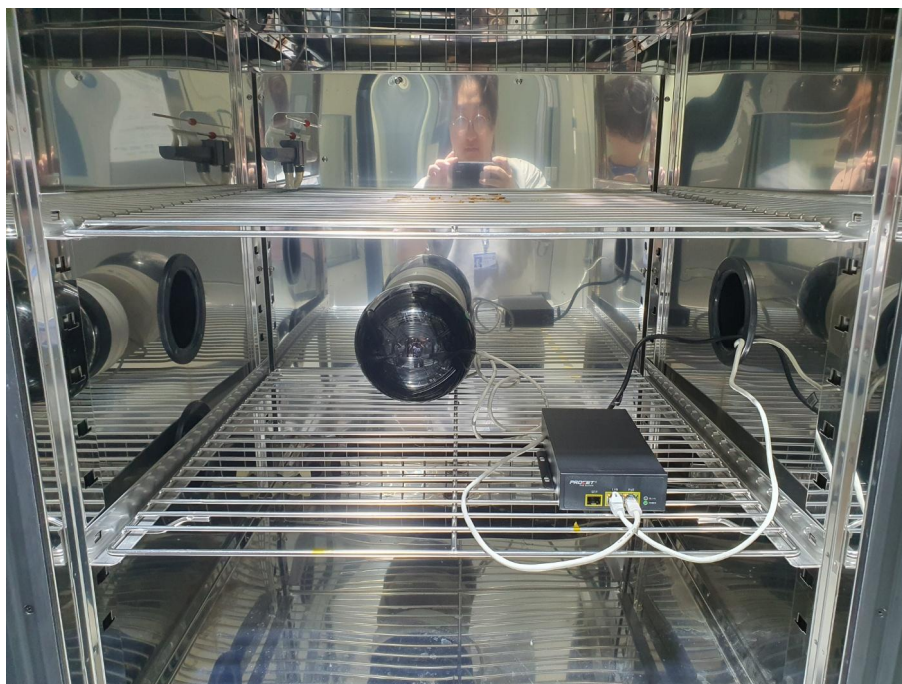


2.2. Test Setup Photos and Configuration

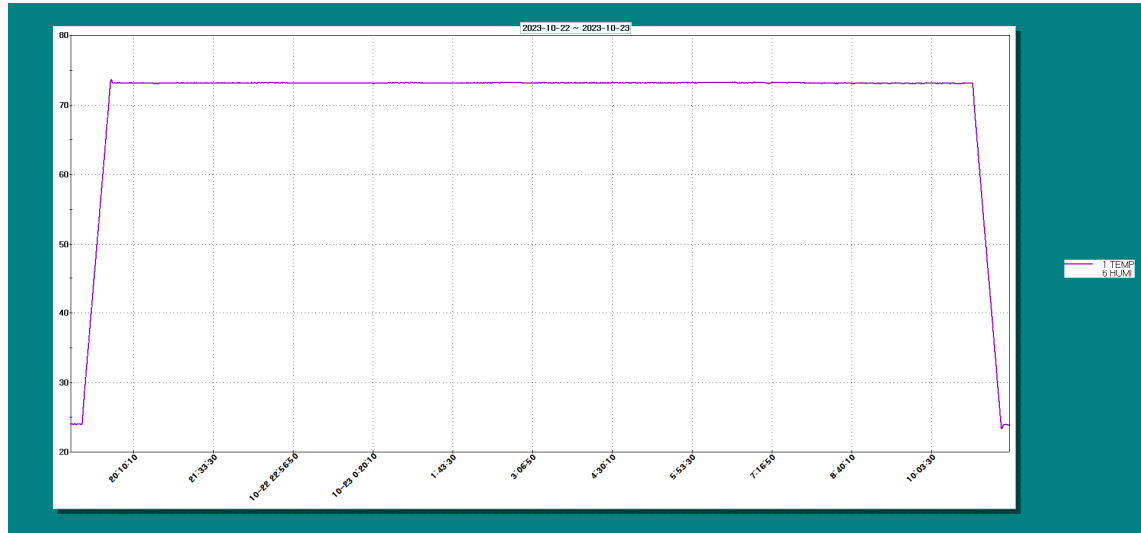
< Photo 4 >



< Photo 5 >



2.3. Data



- End -