

# TEST REPORT

 <b>CTK Co., Ltd.</b> <small>The Power Leader of Global Regulatory Certification</small>	<b>CTK Co., Ltd.</b> (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.: <b>CTK-2020-04957</b> Page (1) / (9) pages	
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## 1. Applicant

◦ Name .....: Hanwha Techwin Co., Ltd.

◦ Address.....: 6 Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si,  
Gyeonggi-do, 13488 KOREA

◦ Date of Receipt.....: 2020-12-10

## 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 .....**: 2020-12-11 to 2020-12-14

**6. 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.]

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

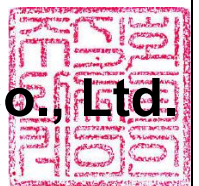
**8. Results .....**: Refer to each test items

The results shown in this test report refer only to the sample(s) tested unless otherwise stated.  
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Approval	Tested by:	Technical Manager:
	Soochan Bae  (Signature)	YeonHwang Jung  (Signature)

2020-12-17

**CTK Co., Ltd.**



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**Test place**

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

## 1. NEMA TS 2-2013

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

#### 1.1. Test equipment

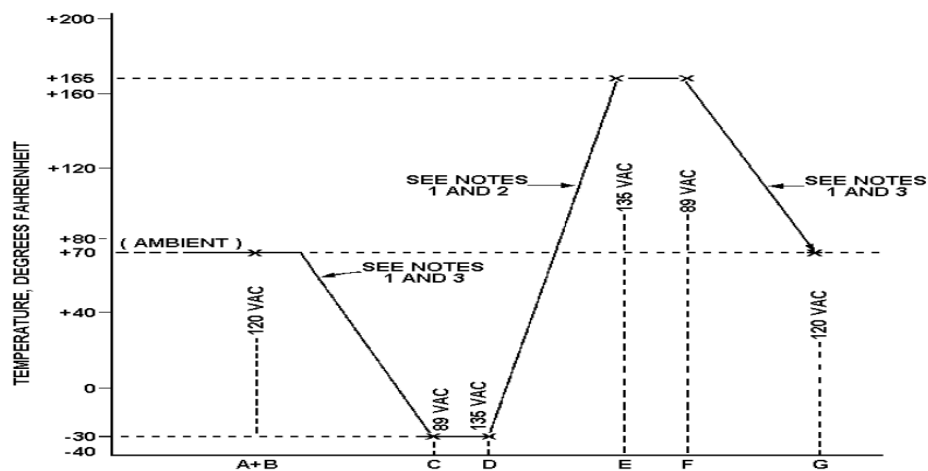
Test equipment	Model	manufacturer	Serial
TEMPERATURE HUMIDITY CHAMBER	PL-2KP	ESPEC	14008163

#### 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]

### 1.3. Check Item

- Check the operation before/during/after the test

### 1.4. Test Result

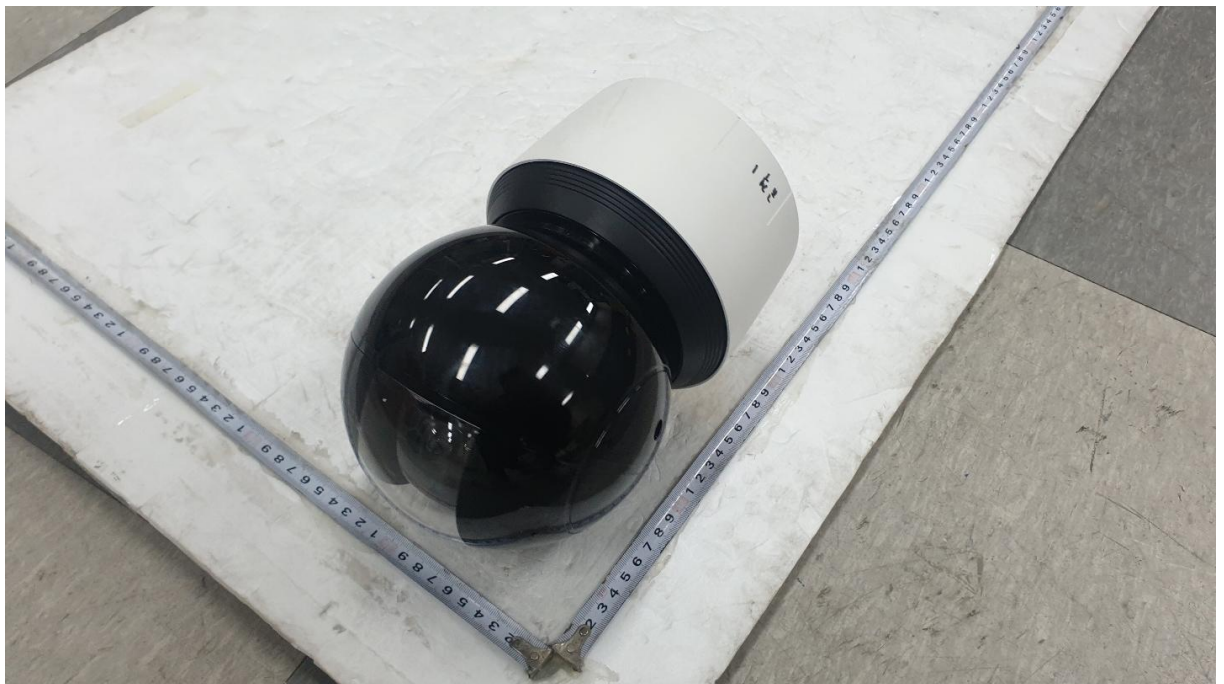
- **Pass**

## Model description

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

## APPENDIX

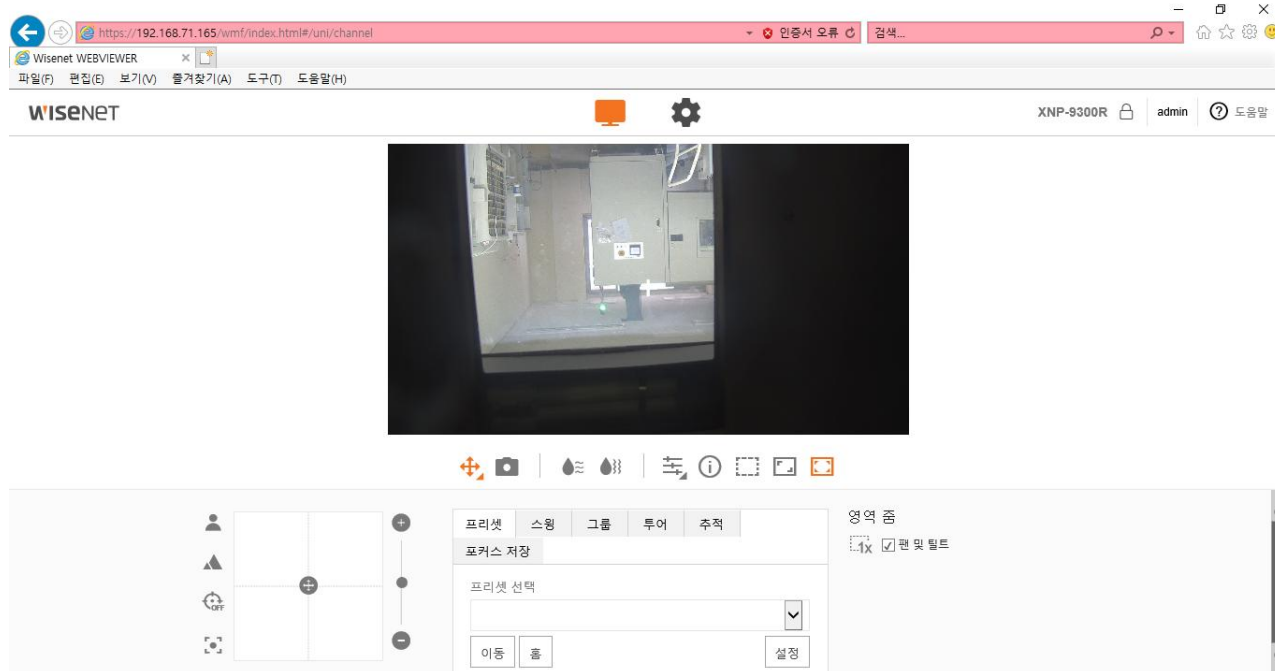
### 1.5. Product Photographs



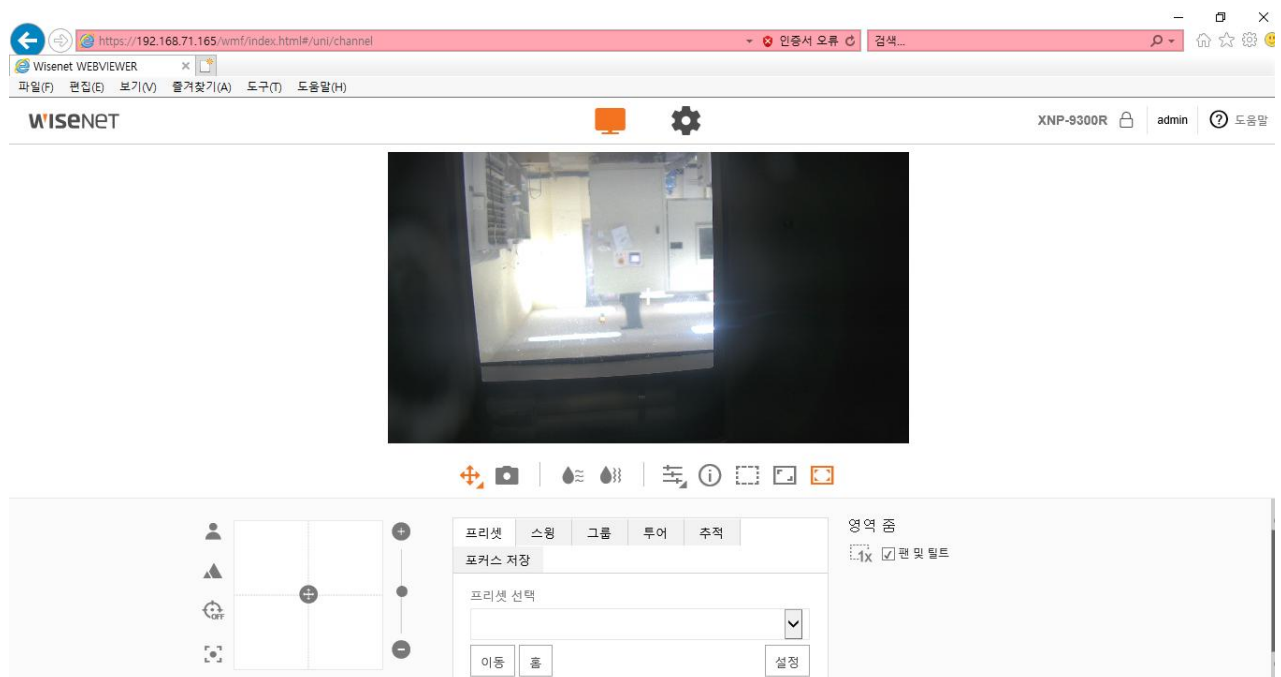


## 1.6. Test Setup Photos and Configuration

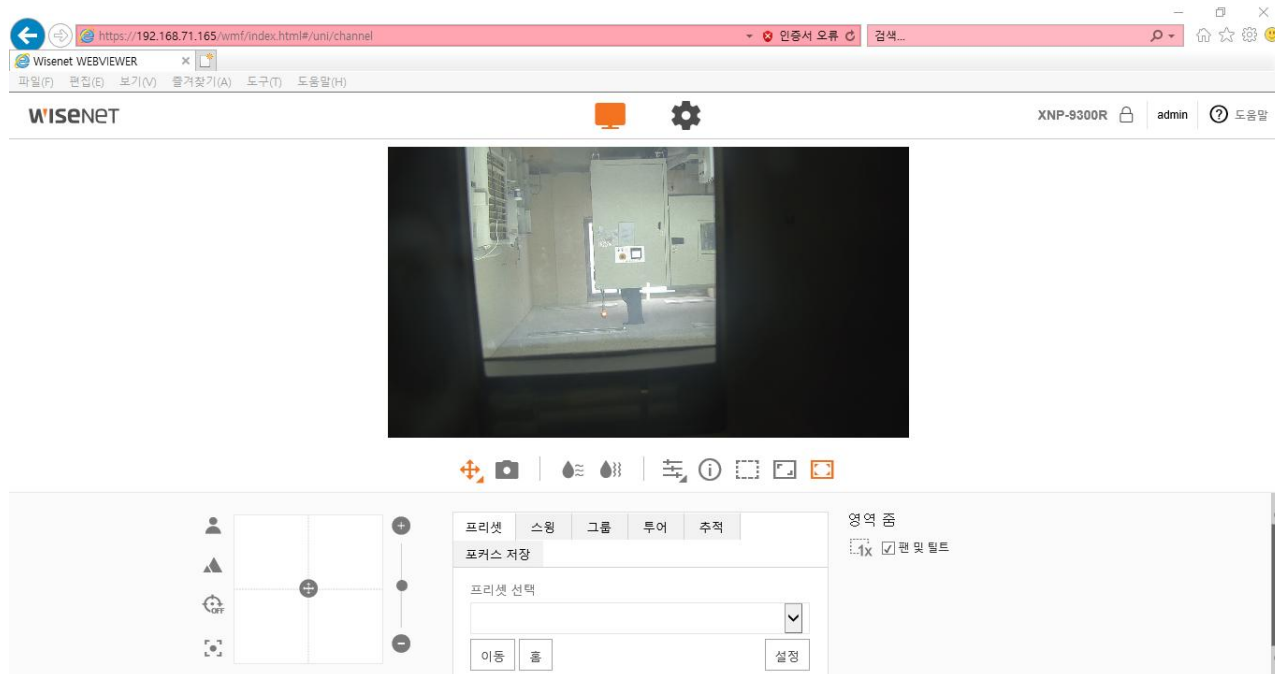




[Operation check before test (220Vac)]



[Operation check during test (135 Vac)]



[Operation check after test (89 Vac)]



## 2. APPENDIX

