






# TEST REPORT

 <b>CTK Co., Ltd.</b> <small>The Power Leader of Global Appliance 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.: CTK-2020-04771 Page (1) / (9) pages	
--	--	---	--

<b>1. Applicant</b>	
◦ Name.....	Hanwha Techwin Co., Ltd.
◦ Address.....	6 Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488 KOREA
◦ Date of Receipt.....	2020-12-03
<b>2. Manufacturer</b>	
◦ Name.....	Hanwha Techwin Co., Ltd
<b>3. Use of Report .....</b>	
	Quality control
<b>4. Test sample / Model.....</b>	
	NETWORK CAMERA / XNP-6400RW
<b>5. Date(s) of test .....</b>	
	2020-12-05 to 2020-12-06
<b>6. Test Standard (Method) used.....</b>	
	Requested Test Specification by applicant : NEMA TS 2-2013 [2.2.7.2 Test B : Transient Tests (Power Service) - 13. C.]
<b>7. Testing Environment.....</b>	
	Temperature: (25.0 ± 10.0) °C, Humidity: (50 ± 25) %R.H., Air Pressure: (99.0 ± 2) kPa
<b>8. Results .....</b>	
	Refer to each test items
The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This report shall not be reproduced except in full without the written approval of CTK	
Approval	Tested by: SooChan Bae  (Signature)
Technical Manager:	YenHwang Jung  (Signature)
2020-12-08	
<b>CTK Co., Ltd.</b> 	

 <p><b>CTK Co., Ltd.</b> <small>The Prime Leader of Global Respiratory Certification</small></p>	<p><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</p>	<p>Report No.: CTK-2020-04771 Page (2) / (9) pages</p>	
---	---	--	--

## Test place

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

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

### 1.1. Test equipment

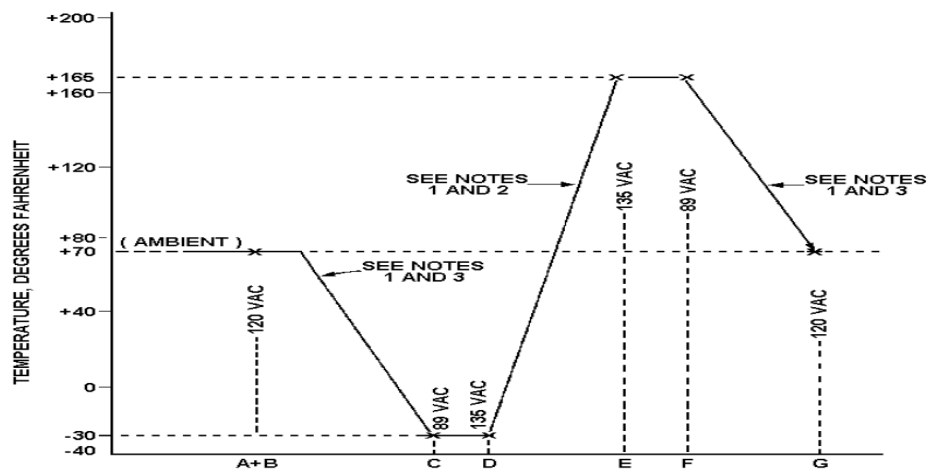
Test equipment	Model	manufacturer	Serial
Temperature chamber	ARS-0680	ESPEC	4100200121

### 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]

 <p><b>CTK Co., Ltd.</b> <small>The Prime Leader of Global Respiratory Certification</small></p>	<p><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</p>	<p>Report No.: CTK-2020-04771 Page (4) / (9) pages</p>	
---	---	--	--

### 1.3. Check Item

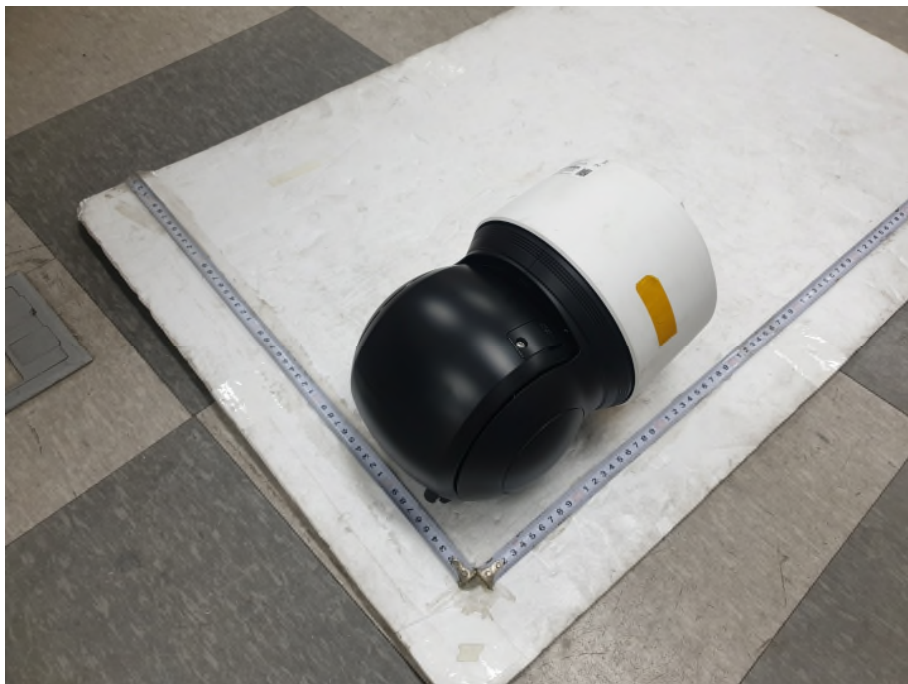
- Check the operation before/during/after the test

### 1.4. Test Result

- **Pass**

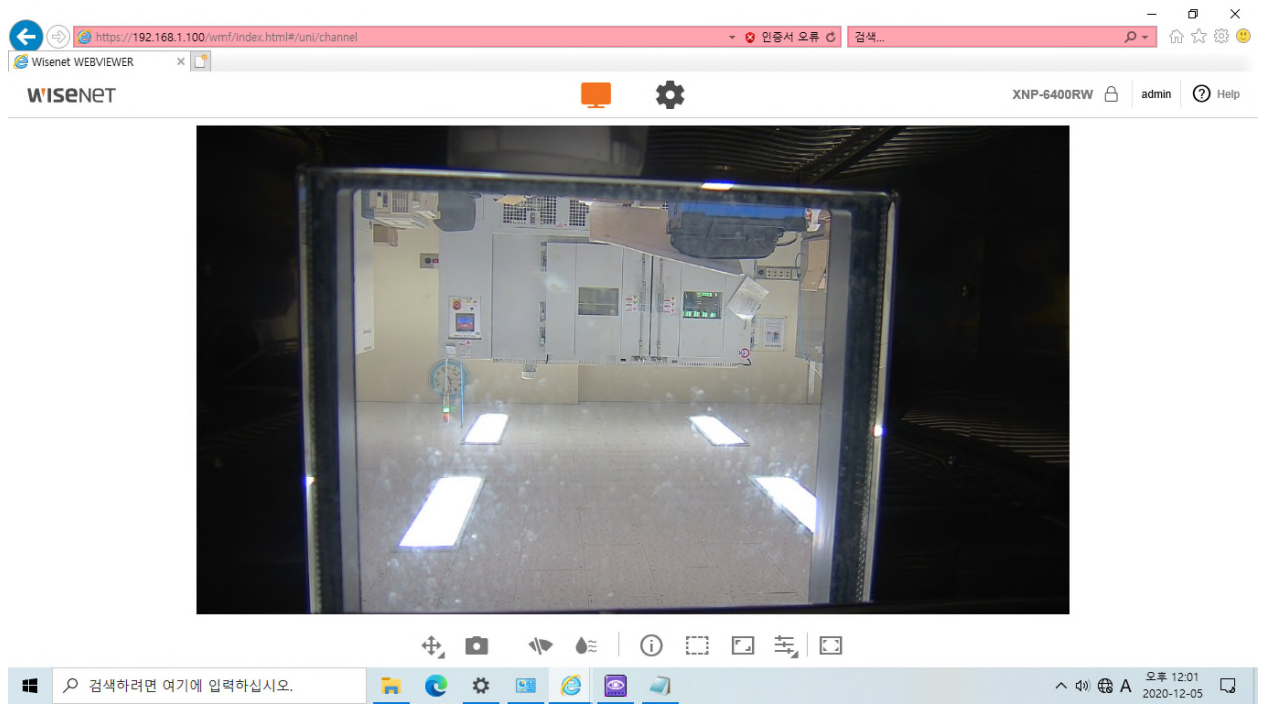
## 2. APPENDIX

### 2.1. Product Photographs

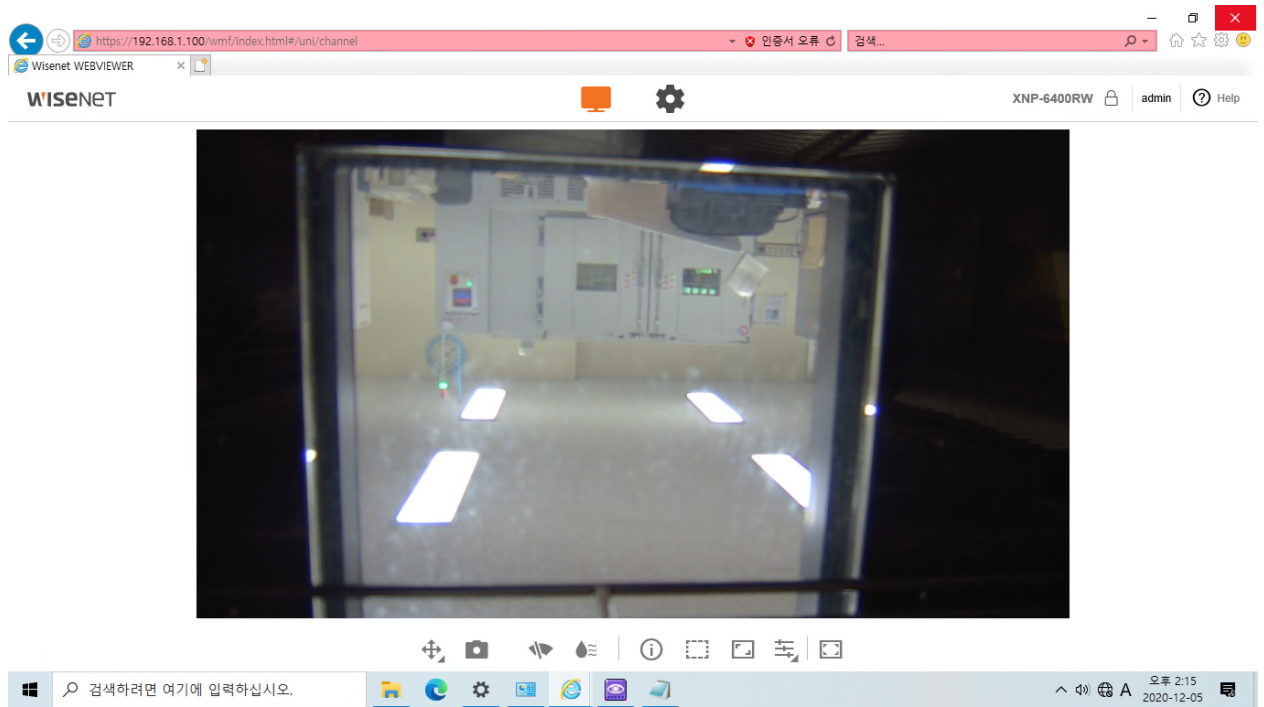


## 2.2. Test Setup Photos and Configuration





[Operation check before test (220Vac)]



[Operation check during test (135 Vac)]



### CTK Co., Ltd.

(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.:  
CTK-2020-04771  
Page (8) / (9) pages

Browser address bar: <https://192.168.1.100/wmf/index.html#/uni/channel>

Wisenet WEBVIEWER

WISENET

XNP-6400RW admin Help



[Operation check after test (89 Vac)]





**CTK Co., Ltd.**  
(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.:  
CTK-2020-04771  
Page (9) / (9) pages

### 3. APPENDIX

