




TEST REPORT

<p>KCTL Inc. 52-20, Sinjeong-ro 41 beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do 446-599, Korea Tel : 82-31-326-6700 Fax : 82-505-299-8311 www.kctl.co.kr</p>	<p>Report No.: KR17-YYP0005-A Page (1) of (10)</p>	
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1. Client

- Name : Hanwha Techwin Co., Ltd
- Address : 1204, Changwon-daero, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, Korea
- Date of Receipt : 2016-12-27

2. Use of Report : For Quality evaluation

3. Name of Product and Model : Network Camera /
XND-6010* (* N: NTSC / P: PAL)

4. Manufacturer and Country of Origin : Hanwha Techwin Co., Ltd / Korea

5. Date of Test : 2016-12-28

6. Test method used : IEC 62262: 2002 (IK 08)

7. Test Results : Refer to the test result in the test report

Affirmation	Tested by	Technical Manager
	Name: Hwang Jin Ho (Signature)	Name: Choi Do Hong (Signature)

2017-02-09

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As a test result of the sample which was submitted from the client, this report does not guarantee the whole product quality. This test report should not be used and copied without a written agreement by KCTL Inc.

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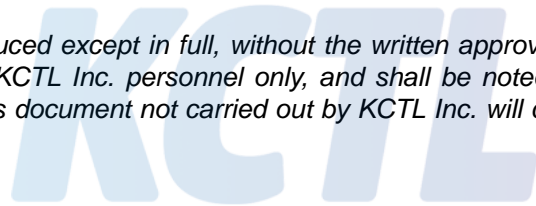
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**REPORT REVISION HISTORY**

Date	Revision	Page No
2017-01-03	Originally issued	-
2017-02-09	Series model additional	4


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1. Test Laboratory

1.1 General

Name of Test Laboratory	KCTL INC.
Address	52-20, Sinjeong-ro 41 beon-gil, Giheung-gu, Yongin-si, Gyeonggi-do 446-599, Korea
TEL	82 31-326-6700
FAX	82 505-299-8311
Home page	www.kctl.co.kr

1.2 Certificate of Designated Testing Laboratory

Mark.	Registration No.
NRRA	KR0040
KOLAS	No. KT231
IEC(CB-Scheme)	TL512
TUV-SUD	CARAT 15 08 93040 001
VCCI Council	R-3327, C-3706, T-1849, G-198
DSP Research, Inc.	G039
FCC	Test Firm Registration No. 687132
INDUSTRY CANADA	Company Address Code: 8035A

2. Specification

2.1 Specification

Division	Specification
Product Name	Network Camera
Model Name	XND-6010 * (* N:NTSC / P:PAL)
Series Model	XND-6020*, XND-6020R*, XND-8020R*, XND-8030R*, XND-8040R

- The basic model and series models are identical Hardware
- The model XND-6010* was conducted tests representatively.

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2.2 Product Photograph



[Front]



[Rear]

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3. Test Method and Result

3.1 IK 08 Impacts Test

3.1.1 Test Equipment

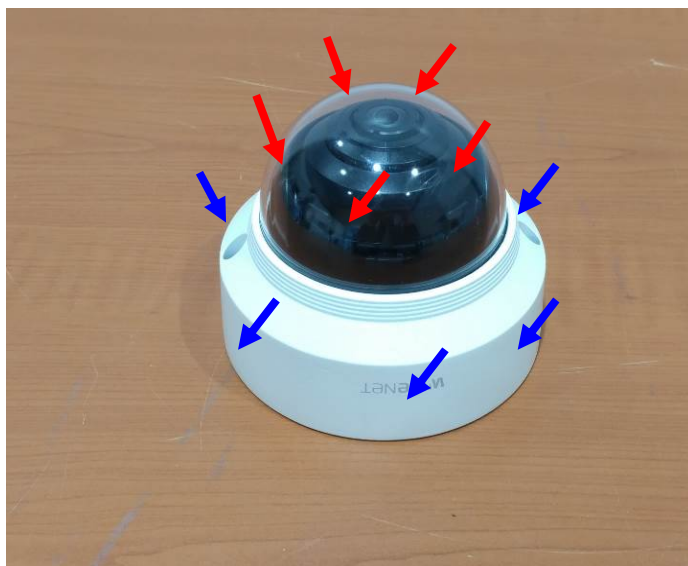
Instrument description	Model	Manufacturer	Serial number	Due Cal
20J IMPACT ELEMENT	None	CERTIS	None	-
Pendulum Hammer	5 J	None	None	2021-07-01
Measuring Tape	3.5 m	Komelon	None	2018-07-07
Weighting Scale	DB-60H	CAS	IY1142	2017-02-28

3.1.2 Date of test / Environment of test:

- 1) 2017.01.03
- 2) Temperature (20 ± 2) °C, Relative Humidity (54 ± 2) % R.H,
Air pressure (101 ± 2) kPa

3.1.3 Test Conditions

- 1) Test method used: IEC 62262: 2002 (IK 10)
- 2) Energy: 5 J
- 3) Mass: 1.7 kg
- 4) Heigh: 300 mm
- 5) Pretreatment: None
- 6) Location and number of impact: Window 5 impact, Enclosure 5 impacts



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3.1.4 Test Criteria

- 1) Visual inspection after impact test (Damage, crack, separation occur)
- 2) Protected against access to hazardous parts

3.1.5 Test Results

Check List	Test Result
<ol style="list-style-type: none">1. Window part<ul style="list-style-type: none">- Visual inspection after impact test (Damage, crack, separation occur)- Protected against access to hazardous parts2. Enclosure part<ul style="list-style-type: none">- Visual inspection after impact test (Damage, crack, separation occur)- Protected against access to hazardous parts	15mm crack occurrence (Refer to 3.1.7)

※ Customer request allow extent of damage: Scratch

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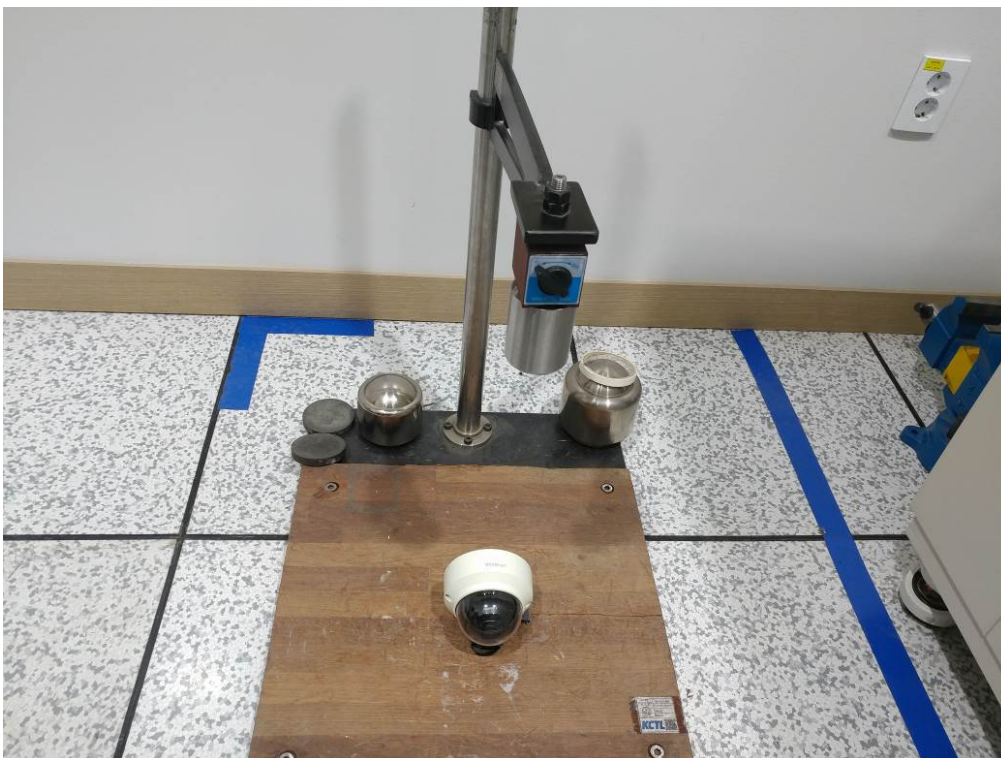
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3.1.6 TEST Photograph



[During the test_Window]



[During the test_Enclosure]

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3.1.7 Test Result Photograph



[Test result confirme_Window]



[Test result confirme_Enclosure 01]

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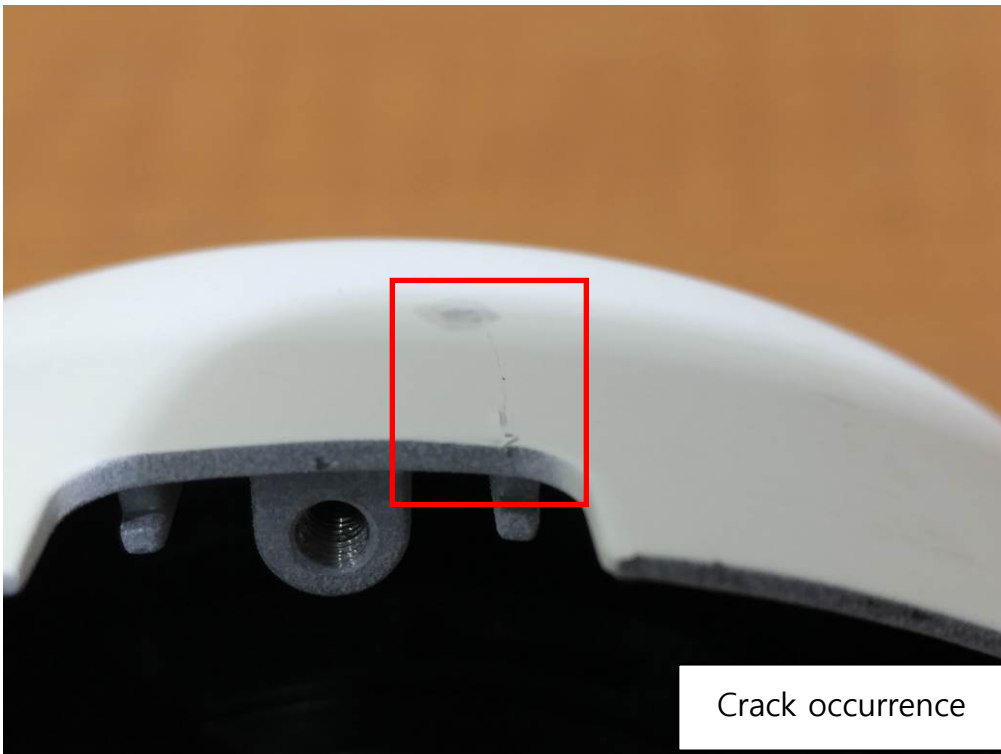
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[Test result confirme_ Enclosure 02]



[Test result confirme_ Enclosure 03]