



TEST REPORT

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	Report No.: KR16-YYP0230-A Page (1) of (10)	
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 / XNV-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 10) 7. Test Results : Refer to the test result in the test report		
Affirmation	Tested by Name: Young Min, Jang (Signature)	Technical Manager Name: Do Hong, Choi (Signature)
2017-02-08 KCTL Inc. 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.		

REPORT REVISION HISTORY

Date	Revision	Page No
2016-12-29	Originally issued	-
2017-02-08	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	XNV-6010 * (* N:NTSC / P:PAL)
Series Model	XNV-6020*, XNV-8020R*, XNV-8030R*, XNV-8040R, XNV-6020R*

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

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2.2 Product Photograph



[Front]



[Rear]

3. Test Method and Result

3.1 IK10 Impacts Test

3.1.1 Test Equipment

Instrument description	Model	Manufacturer	Serial number	Due Cal
20J IMPACT ELEMENT	None	CERTIS	None	-
Pendulum Hammer	20 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) 2016.12.28
- 2) Temperature (22 ± 2) °C, Relative Humidity (33 ± 2) % R.H,
Air pressure (101 ± 2) kPa

3.1.3 Test Conditions

- 1) Test method used: IEC 62262: 2002 (IK 10)
- 2) Energy: 20 J
- 3) Mass: 5.0 kg
- 4) Heigh: 400 mm
- 5) Pretreatment: None
- 6) Location and number of impact: Window 5 impact, Enclosure 5 impacts



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

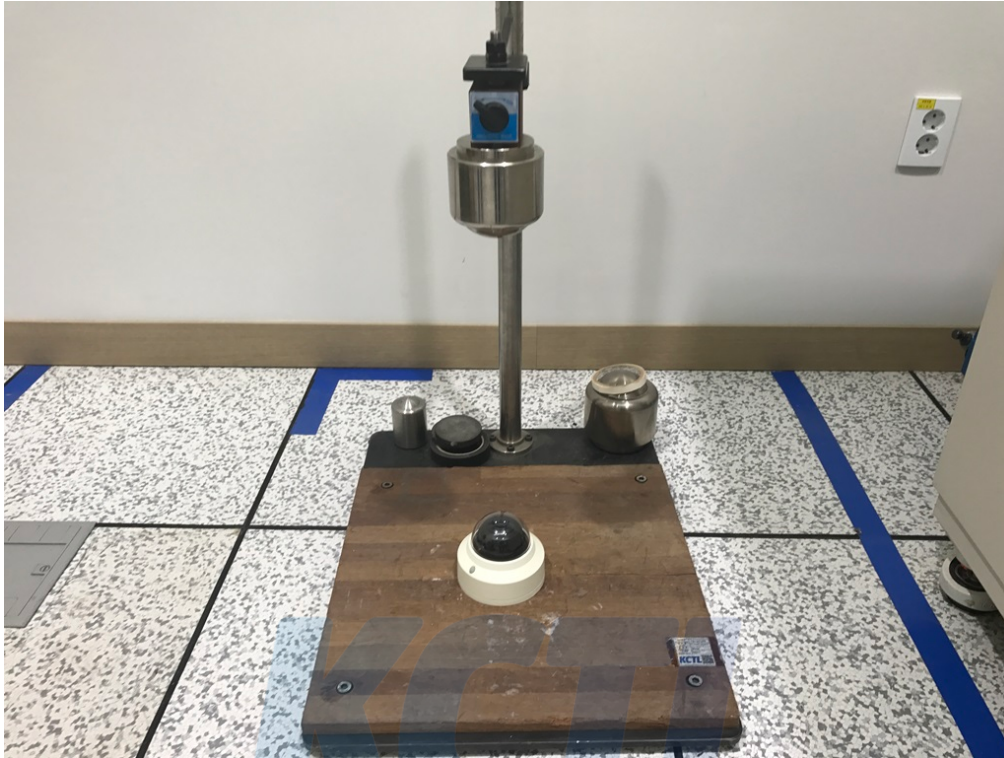
Check List	Test Result
1. Window part - Visual inspection after impact test (Damage, crack, separation occur) - Protected against access to hazardous parts 2. Enclosure part - Visual inspection after impact test (Damage, crack, separation occur) - Protected against access to hazardous parts	No abnormal was found (Refer to 3.1.7)

※ Allow extent of damage: Scratch, Damage of connected part that Top Cover to Bottom Cover of product.

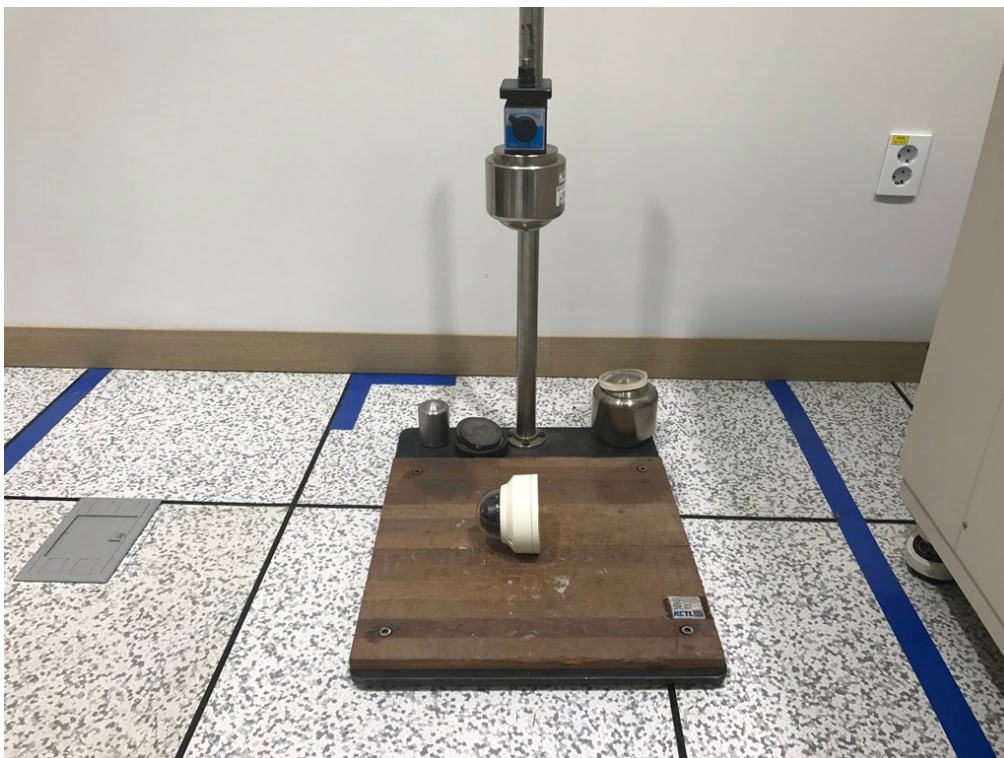
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KCTL**3.1.6 TEST Photograph**

[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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[Test result confirme_ Enclosure 02]



[Test result confirme_ Enclosure 03]