

KCTL

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.kctf.co.kr

Page (1) of (10)

- Name : Hanwha Techwin Co., Ltd
- Address : 1204, Changwon-daero, Seongsan-gu, Changwon-si,
Gyeongsangnam-do, Korea
- Date of Receipt : 2017-01-03

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

2017-01-11

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
2017-01-11	Originally issued	-

This report shall not be reproduced except in full, without the written approval of KCTL Inc. This document may be altered or revised by KCTL Inc. personnel only, and shall be noted in the revision section of the document. Any alteration of this document not carried out by KCTL Inc. will constitute fraud and shall nullify the document.

– INDEX –

1. Test Laboratory.....	4
1.1 General.....	4
1.2 Certificate of Designated Testing Laboratory	4
2. Product (EUT)	4
2.1 Specification.....	4
2.2 Product Photograph.....	5
3. Test Method and Result.....	6
3.1 IK10 Impacts Test	6



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.: KR17-YYP0017 Page (4) of (10)	
--	--	---

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. Product (EUT)

2.1 Specification

Division	Specification
Product Name	Network Camera
Model Name	XNO-8080R* (*N: NTSC / P: PAL)
Series Model	XNO-6080R*

- The basic model and series models are identical Hardware
- The model XNO-8080R* was conducted tests representatively.

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.:
KR17-YYP0017

Page (5) of (10)

KCTL

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) 2017. 01. 09
- 2) Temperature (20 ± 2) °C, Relative Humidity (45 ± 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) Height: 400 mm
- 5) Preprocessing: None
- 6) Location and number of impact: Window 1 impact, Enclosure 10 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

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.:
KR17-YYP0017

Page (8) of (10)

KCTL

3.1.6 TEST Photograph



[During the test_Window]



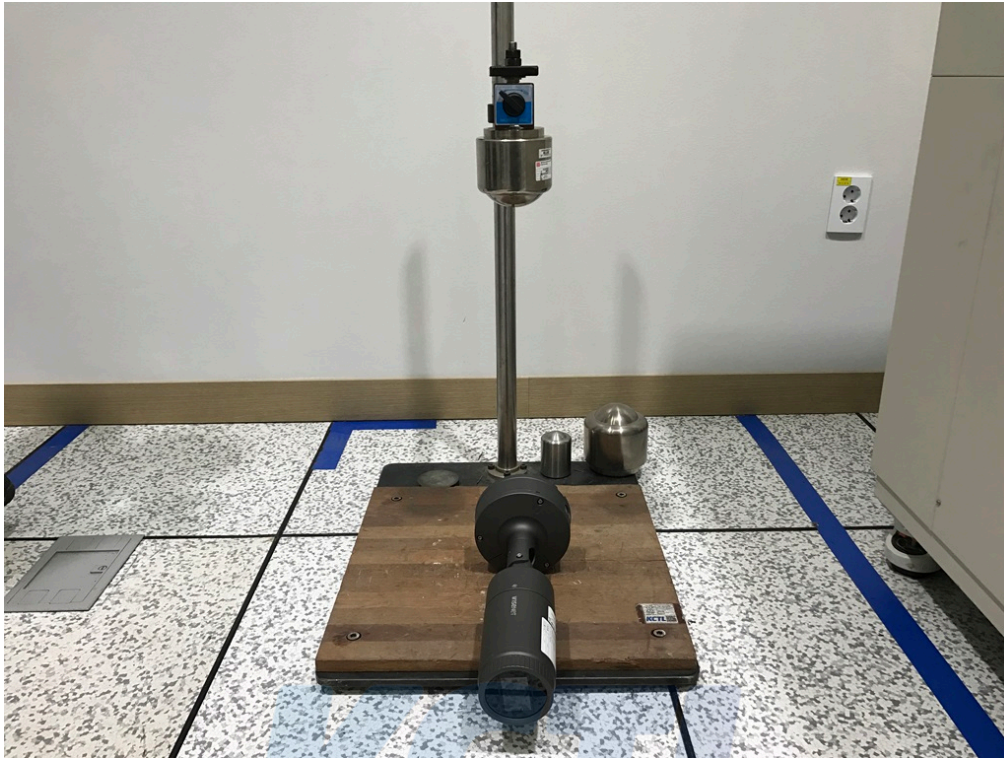
[During the test_Enclosure 1]

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

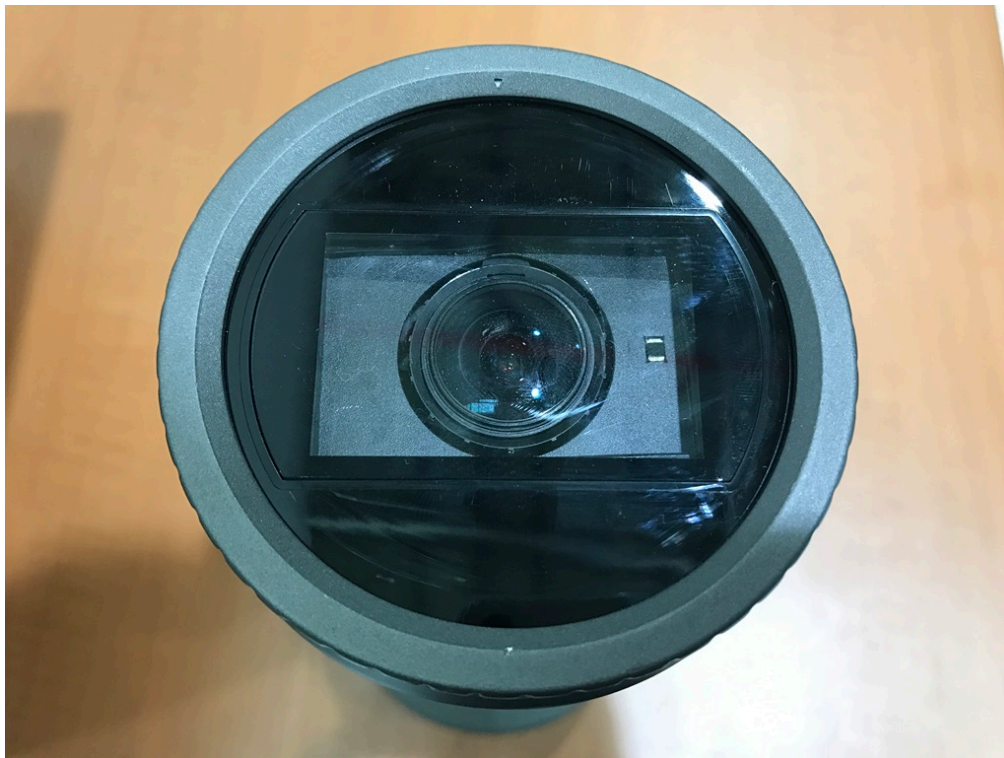
Report No.:
KR17-YYP0017

Page (9) of (10)

KCTL

[During the test_Enclosure 2]

3.1.7 Test Result Photograph



[Test result confirmation_Window]

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.:
KR17-YYP0017
Page (10) of (10)

KCTL



[Test result confirmation_ Enclosure 01]



[Test result confirmation_ Enclosure 02]