TEST REPORT

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-2018-03668

1. Applicant

- Name ..... : Hanwha Techwin Co., Ltd.
- Address ..... : Hanwha Techwin R&D center, 6 Pangyo-ro 319Beon-gil, Bundang-gu, Seongnam-si, Gyeonggi-do, 13488 KOREA
- Date of Receipt..... : 2017-07-25

2. Manufacturer

- Name .....: HANWHA TECHWIN (TIANJIN) CO.,LTD.
- Address.....: No.11 Weiliu Rd,Micro-Electronic Industrial Park,TEDA,Tianjin,300385,People's Republic of China

3. Use of Report ..... : Quality control

4. Test sample / Model..... : NETWORK CAMERA / XNO-6085R * (*N:NT/P:PAL)

5. Date(s) of test ..... : 2017-08-01

6. Test Standard (Method) used .. : Requested Test Specification of Applicant

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

8. Results ..... : Reference test results

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

CTK Co., Ltd.

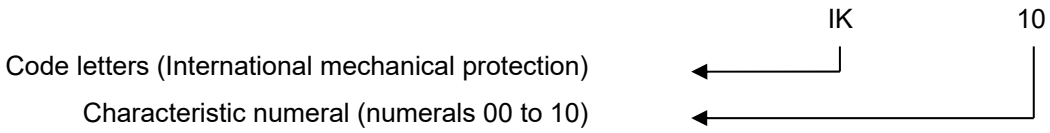
2018-11-21

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1. Degrees of protection provided by enclosures for electrical equipment against external mechanical impacts (IK code)

1.1 Test standard: KS C IEC 62262: 2005

1.2 Arrangement of the IK code



1.3 Vertical Hammer

1.3.1 Test equipment

Equipment	Model	Manufacturer	Serial	Application
Vertical Hammer	5J	Kingpo	TX028-1	☒

1.3.2 Test condition

IK code	Impact Energy (J)	Equivalent mass (kg)	Drop height (mm ± 1%)	Application
00	Non-protected	-	-	☐
01	0.14	0.25	56	☐
02	0.20	0.25	80	☐
03	0.35	0.25	140	☐
04	0.50	0.25	200	☐
05	0.70	0.25	280	☐
06	1.00	0.25	400	☐
07	2.00	0.50	400	☐
08	5.00	1.70	300	☐
09	10.00	5.00	200	☐
10	20.00	5.00	400	☒

- Impact times: five times for each of the exposed surface. (Do not impact more than 3 times in the same spot)

1.3.3 Check Item

- Check the separation of the component.
- Check the visual damage of the product outside.
- Check the operation.

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Manufacturer's name

Name and address of factory (ies)	1) HANWHA TECHWIN (TIANJIN) CO.,LTD. No.11 Weiliu Rd,Micro-Electronic Industrial Park,TEDA,Tianjin,300385,People's Republic of China 2) D-TECH CO.,LTD. 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea (Suwon Industrial Complex) 3) HANWHA TECHWIN SECURITY VIETNAM CO.,LTD Lot O-2, Que Vo Industrial Zone extended area, Nam Son commune, Bac Ninh city, Bac Ninh province, Vietnam

Model description

Basic Model ..... :	XNO-6085R
Series model ..... :	XNO-6085RG
Model differences ..... :	Use of the same external shape and materials (case, finishing material, PCB, cable, etc.), Difference in distribution channel

1.3.5 Test Result

Characteristic numeral	Remark
IK 10	The enclosure is scratch.

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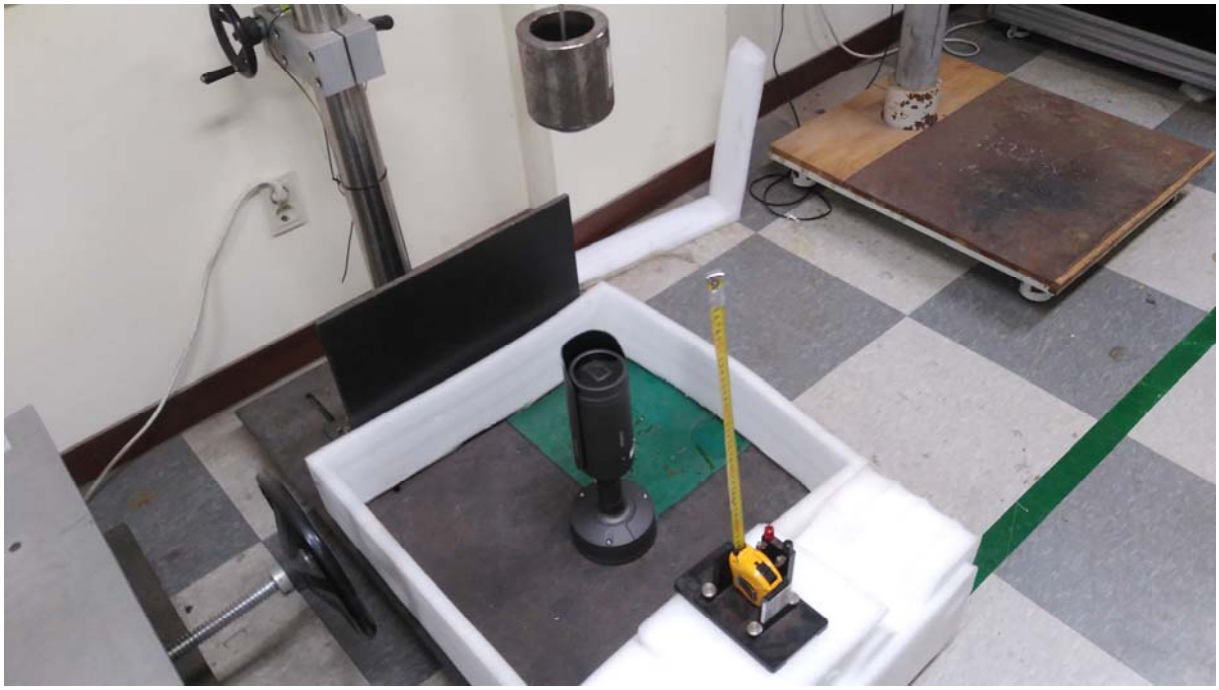
2. Attachment

2.1 Products





2.2 Test photos



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2.3 Photos after test

[P1, P2]



[P3]

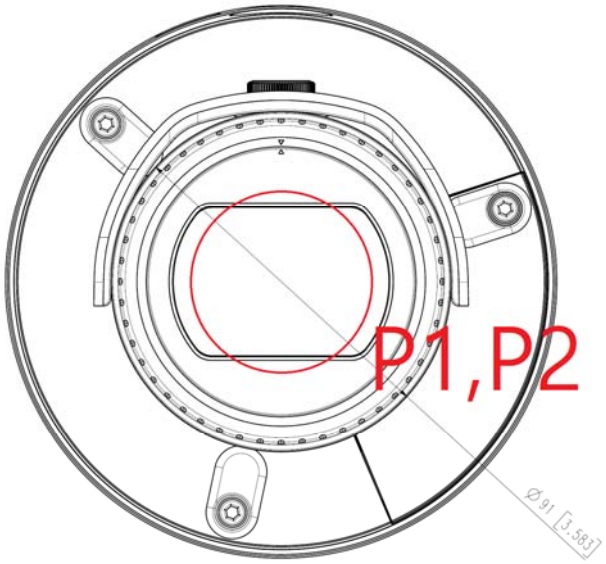


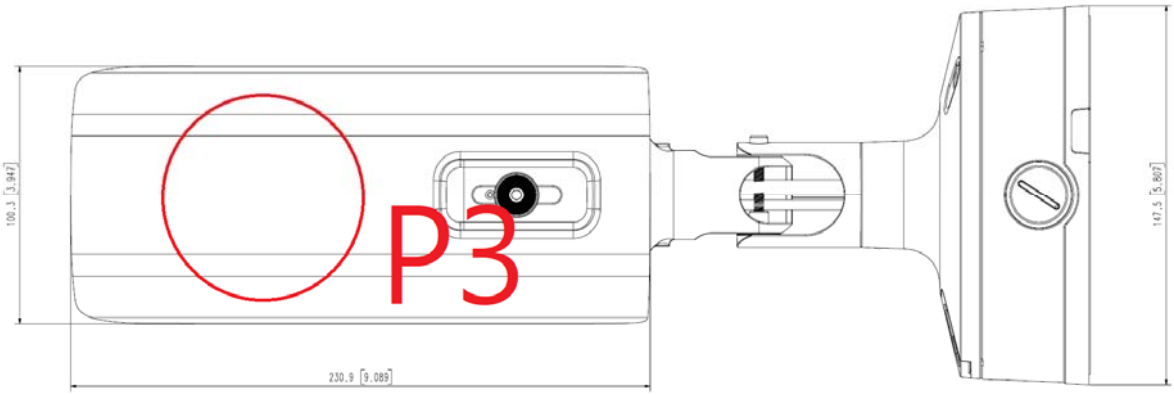
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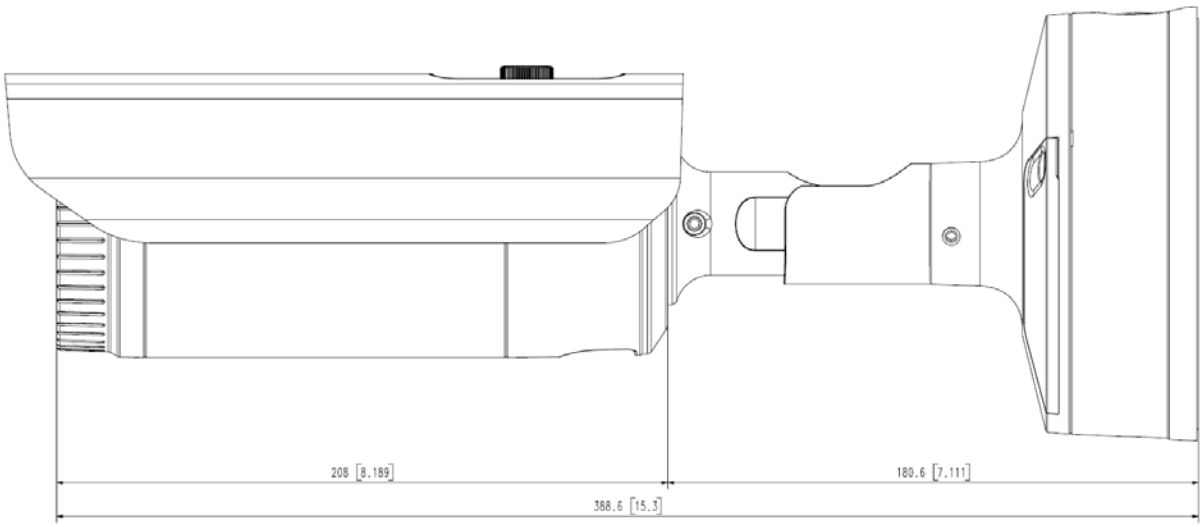
[P4,P5]

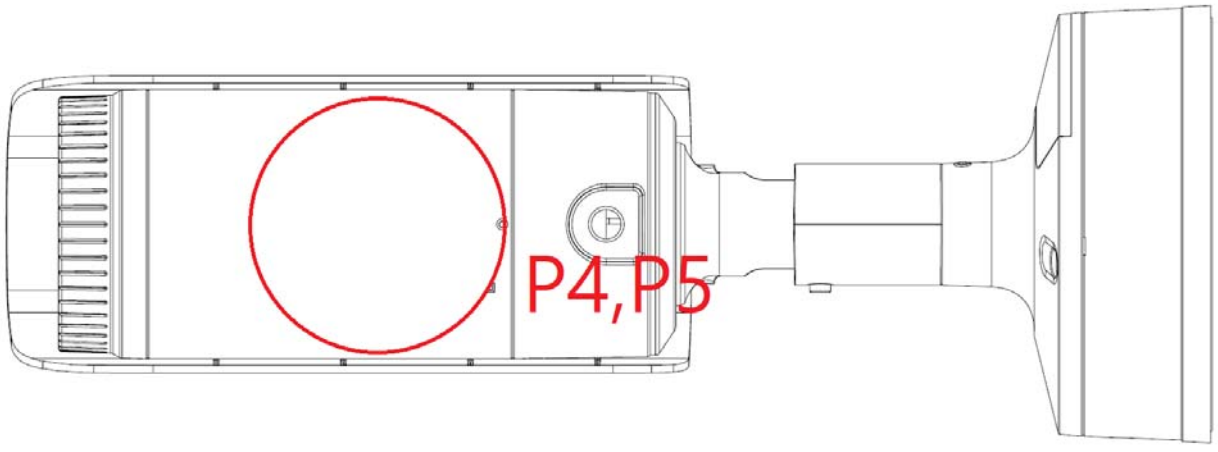


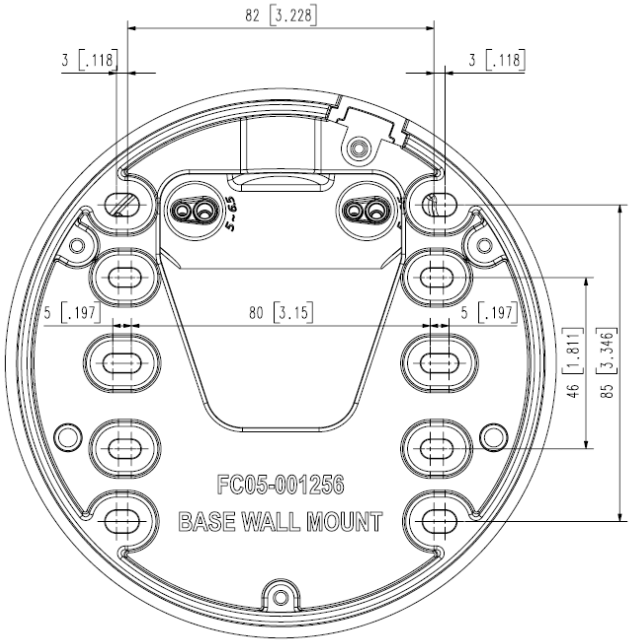
2.3 Enclosure Dimensions or Impact point (Unit: mm)






208 [8.189]
180.6 [7.111]
388.6 [15.3]


P4,P5


82 [3.228]
3 [.118]
3 [.118]
5 [.197]
80 [3.15]
5 [.197]
46 [1.811]
85 [3.346]
FC05-001256
BASE WALL MOUNT