

TEST REPORT

 CTK Co., Ltd. The Prime Leader of Global Regulatory Certification	CTK Co., Ltd. (Ho-dong) 113, Yejik-ro, Cheoin-gu, Yongin-si, Gyeonggi-do, KOREA, REPUBLIC OF Tel: +82-31-339-9970 Fax: +82-31-624-9501	Report No.: CTK-2021-01770 Page(1) / (21) Pages	
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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: 2018-01-04

2. Manufacturer

- Name.....: HANWHA TECHWIN SECURITY VIETNAM CO.,LTD
- Address: Lot O-2, Que Vo Industrial Zone extended area, Nam Son
commune, Bac Ninh city, Bac Ninh province, Vietnam

3. **Test sample / Model** : Network Camera / XNV-8080RS

4. **Date(s) of test** : 2018-01-31

5. **Test Standard (Method) used...** : NEMA 250-2014
Enclosures for Electrical Equipment (1000 Volts Maximum)

6. **Results** : Pass

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:	 (Signature)	Technical Manager:	 (Signature)
	Min-Gi Mun		YenHwang Jung	

2021-05-07

CTK Co., Ltd.



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Report No.:

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Test item description.....: Network Camera

Trade Mark.....: **WISENET**

Manufacturer: No.11 Weiliu Rd, Micro-Electronic Industrial
Park, TEDA, Tianjin, 300385, People's Republic of China

Model/Type reference.....: XNV-8080RS

Ratings.....: Electrical : AC24V / DC12V / PoE+

Dimension : Ø 162.0 mm by 120.5 mm

List of Attachments (including a total number of pages in each attachment):

Attachment 1: 14-15 pages (Construction Diagram including installation method)

Attachment 2: 16-19 pages (Parts List)

Attachment 3: 20-21 pages (photographs)

Summary of testing:

Tests performed (name of test and test clause):

Clause 5.7(Hose Down Test)

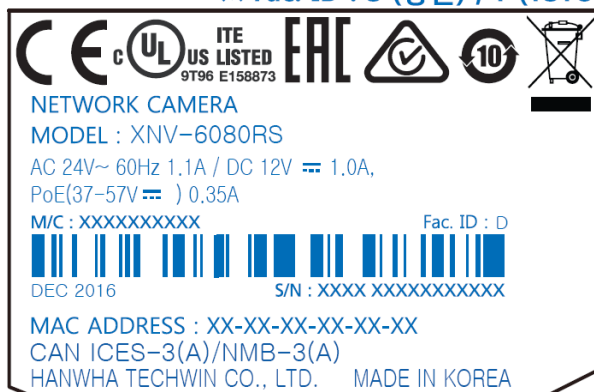
Testing location:

CTK Co., Ltd.

(Ho-Dong) 113, Yejik-ro Cheoin-gu, Yongin-shi
Gyeonggi-do KOREA, REPUBLIC OF

Copy of marking plate: The artwork above may be only a draft.

※ Fac. ID : S (창원) , T (TSTO)

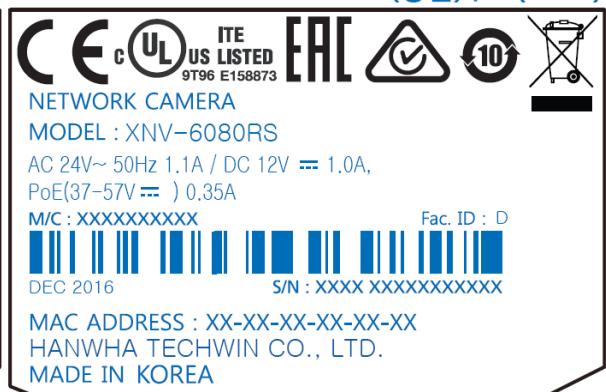


※ 원산지 표기 기준

TSTO : MADE IN CHINA

창 원 : MADE IN KOREA

※ Fac. ID : S (창원) , T (TSTO)



※ 원산지 표기 기준

TSTO : MADE IN CHINA

창 원 : MADE IN KOREA

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NETWORK CAMERA

MODEL : XNV-6080RS

AC 24V~ 50Hz 1.1A / DC 12V ≒ 1.0A,

PoE(37-57V ≒) 0.35A

M/C : XXXXXXXXXX



DEC 2016

S/N : XXXX XXXXXXXXXXXXX

MAC ADDRESS : XX-XX-XX-XX-XX-XX

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NETWORK CAMERA

MODEL : XNV-6080RS

AC 24V~ 50Hz 1.1A / DC 12V ≒ 1.0A,

PoE(37-57V ≒) 0.35A

M/C : XXXXXXXXXX



DEC 2016

S/N : XXXX XXXXXXXXXXXXX

MAC ADDRESS : XX-XX-XX-XX-XX-XX

HANWHA TECHWIN CO., LTD.

MADE IN KOREA

제품명칭 : NETWORK CAMERA

모 델 명 : XNV-6080RS

정격전압 : AC 24V~ 60Hz 14.0W / DC 12V ≒ 11.5W,

PoE(37-57V ≒) 12.95W

M/C : XXXXXXXXXX



제조년월 : 2016.12

S/N : XXXX XXXXXXXXXXXXX

MAC ADDRESS : XX-XX-XX-XX-XX-XX

인증번호 : MSIP-REM-HTW-XNV8080RS

제조사/제조국가: 한화테크윈(주) / 한국

제품명칭 : NETWORK CAMERA

모 델 명 : XNV-8080RS

정격전압 : AC 24V~ 60Hz 14.0W / DC 12V ≒ 11.5W,

PoE(37-57V ≒) 12.95W

M/C : XXXXXXXXXX



제조년월 : 2016.12

S/N : XXXX XXXXXXXXXXXXX

MAC ADDRESS : XX-XX-XX-XX-XX-XX

인증번호 : MSIP-REM-HTW-XNV8080RS

제조사/제조국가: 한화테크윈(주) / 한국

※ Fac. ID : S (창원) , T (TSTO)

※ Fac. ID : S (창원) , T (TSTO)



NETWORK CAMERA

MODEL : XNV-8080RS

AC 24V~ 60Hz 1.1A / DC 12V ≒ 1.0A,

PoE(37-57V ≒) 0.35A

M/C : XXXXXXXXXX

Fac. ID : D



DEC 2016

S/N : XXXX XXXXXXXXXXXXX

MAC ADDRESS : XX-XX-XX-XX-XX-XX

CAN ICES-3(A)/NMB-3(A)

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NETWORK CAMERA

MODEL : XNV-8080RS

AC 24V~ 50Hz 1.1A / DC 12V ≒ 1.0A,

PoE(37-57V ≒) 0.35A

M/C : XXXXXXXXXX

Fac. ID : D



DEC 2016

S/N : XXXX XXXXXXXXXXXXX

MAC ADDRESS : XX-XX-XX-XX-XX-XX

HANWHA TECHWIN CO., LTD.

MADE IN KOREA

※ 원산지 표기 기준

TSTO : MADE IN CHINA

창 원 : MADE IN KOREA

※ 원산지 표기 기준

TSTO : MADE IN CHINA

창 원 : MADE IN KOREA



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MODEL : XNV-8080RS

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DEC 2016

S/N : XXXX XXXXXXXXXXXXX

MAC ADDRESS : XX-XX-XX-XX-XX-XX

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NETWORK CAMERA

MODEL : XNV-8080RS

AC 24V~ 50Hz 1.1A / DC 12V ≒ 1.0A,

PoE(37-57V ≒) 0.35A

M/C : XXXXXXXXXX



DEC 2016

S/N : XXXX XXXXXXXXXXXXX

MAC ADDRESS : XX-XX-XX-XX-XX-XX

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기기명칭: NETWORK CAMERA

모델명: XNV-8080RSA

정격전압: AC 24V ~ 60Hz 14W / DC12V $\approx$ 11.5W
PoE(37-57V $\approx$) 12.95W

M/C: XNV-8080RSA/KDO



DATE S/N: Serial No.

MAC ADDRESS: XX-XX-XX-XX-XX-XX

인증번호: R-REM-STW-XNV8080RS

상호: 한화테크윈(주)

제조사/제조국가:한화테크윈(주)/한국



NETWORK CAMERA

MODEL: XNV-8080RSA

AC 24V~ 50/60Hz 1.1A/DC 12V $\approx$ 1.0A

PoE (37-57V $\approx$) 0.35A

M/C: XNV-8080RSA/KUS Fac. ID: D



DATE S/N: Serial No.

MAC ADDRESS: XX-XX-XX-XX-XX-XX

CAN ICES-3(A)/NMB-3(A)

HANWHA TECHWIN CO.,LTD.

MADE IN KOREA



기기명칭: NETWORK CAMERA

모델명: XNV-6080RSA

정격전압: AC 24V~ 50/60Hz 14W/DC 12V $\approx$ 11.5W
PoE (37-57V $\approx$) 12.95W

M/C: XNV-6080RSA/KDO



DATE S/N: Serial No.

MAC ADDRESS: XX-XX-XX-XX-XX-XX

인증번호: R-REM-STW-XNV6080RS

상호: 한화테크윈(주)

제조사/제조국가:한화테크윈(주)/한국



NETWORK CAMERA

MODEL: XNV-6080RSA

AC 24V~ 50/60Hz 1.1A/DC 12V $\approx$ 1.0A

PoE (37-57V $\approx$) 0.35A

M/C: XNV-6080RSA/KUS Fac. ID: D



DATE S/N: Serial No.

MAC ADDRESS: XX-XX-XX-XX-XX-XX

CAN ICES-3(A)/NMB-3(A)

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Test item particulars.....:	Network Camera
Classification of installation and use	Outdoor(Watertight/Corrosion Resistant)
Possible test case verdicts:	
- test case does not apply to the test object	N/A
- test object does meet the requirement.....	P (Pass)
- test object does not meet the requirement	F (Fail)
- test case does not evaluated to the test object :	N/E

General remarks: "(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report. Throughout this report a ☐ comma / ☒ point is used as the decimal separator. Clause numbers between brackets refer to clauses in NEMA 250-2014				
Name and address of factory (ies): 1. 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 2. D-TECH CO.,LTD. 173-25, Saneop-ro, Gwonseon-gu, Suwon-si, Gyeonggi-do, Korea (Suwon Industrial Complex)				
General product information: Applied NEMA Rating : 4X Model XNV-8080RS is basic model which was tested.				
<table border="1"> <tr> <td>Basic Model</td> <td>XNV-8080RS</td> </tr> <tr> <td>Series model</td> <td>XNV-8080RSA, XNV-6080RS, XNV-6080RSA</td> </tr> </table>	Basic Model	XNV-8080RS	Series model	XNV-8080RSA, XNV-6080RS, XNV-6080RSA
Basic Model	XNV-8080RS			
Series model	XNV-8080RSA, XNV-6080RS, XNV-6080RSA			
Model differences: Series model differences are only for function not related to the quality of enclosure integrity.				



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Type 4X

Enclosures constructed for either indoor or outdoor use to provide a degree of protection to personnel against access to hazardous parts; to provide a degree of protection of the equipment inside the enclosure against ingress of solid foreign objects (falling dirt and windblown dust); to provide a degree of protection with respect to harmful effects on the equipment due to the ingress of water (rain, sleet, snow, splashing water, and hose directed water); that provides an increased level of protection against corrosion; and that will be undamaged by the external formation of ice on the enclosure.

Table 2-1
Comparison of Specific Applications of Enclosures for Indoor Nonhazardous
(Unclassified) Locations

Provides a Degree of Protection against the Following Conditions	Type of Enclosure									
	1	2	4	4X	5	6	6P	12	12K	13
Access to hazardous parts	X	X	X	X	X	X	X	X	X	X
Ingress of solid foreign objects (falling dirt)	X	X	X	X	X	X	X	X	X	X
Ingress of water (dripping and light splashing)	...	X	X	X	X	X	X	X	X	X
Ingress of solid foreign objects (circulating dust, lint, fibers, and flyings **)	...	...	X	X	...	X	X	X	X	X
Ingress of solid foreign objects (settling airborne dust, lint, fibers, and flyings **)	...	...	X	X	X	X	X	X	X	X
Ingress of water (hosedown and splashing water)	...	...	X	X	...	X	X	...	...	...
Oil and coolant seepage	...	...	...	...	...	...	...	X	X	X
Oil or coolant spraying and splashing	...	...	...	...	...	...	...	...	...	X
Corrosive agents	...	...	...	X	...	...	X	...	...	...
Ingress of water (occasional temporary submersion)	...	...	...	...	...	X	X	...	...	...
Ingress of water (occasional prolonged submersion)	...	...	...	...	...	...	X	...	...	...

** These fibers and flyings are not considered Class III type ignitable fibers or combustible flyings. For Class III type ignitable fibers or flyings see the *National Electrical Code®*, Article 500.5(D).

Table 2-2
Comparison of Specific Applications of Enclosures for Indoor & Outdoor Nonhazardous
(Unclassified) Locations

Provides a Degree of Protection Against the Following Conditions	Type of Enclosure									
	3	3X	3R	3RX	3S	3SX	4	4X	6	6P
Access to hazardous parts	X	X	X	X	X	X	X	X	X	X
Ingress of solid foreign objects (falling dirt)	X	X	X	X	X	X	X	X	X	X
Ingress of water (dripping and light splashing)	X	X	X	X	X	X	X	X	X	X
Ingress of water (rain, snow, and sleet **)	X	X	X	X	X	X	X	X	X	X
Sleet ***	...	...	...	...	X	X	...	...	...	...
Ingress of solid foreign objects (windblown dust, lint, fibers, and flyings****)	X	X	...	...	X	X	X	X	X	X
Ingress of water (hosedown and splashing water)	...	...	...	...	...	...	X	X	X	X
Corrosive agents	...	X	...	X	...	X	...	X	...	X
Ingress of water (occasional temporary submersion)	...	...	...	...	...	...	...	...	X	X
Ingress of water (occasional prolonged submersion)	...	...	...	...	...	...	...	...	...	X

** External operating mechanisms are not required to be operable when the enclosure is ice covered.

*** External operating mechanisms are operable when the enclosure is ice covered. See subsection 5.6.

**** These fibers and flyings are not considered Class III type ignitable fibers or combustible flyings. For Class III type ignitable fibers or flyings see the *National Electrical Code®*, Article 500.5(D).

Table 5-1A
Degrees of Protection Against Access to Hazardous Parts

Enclosure Type	Test Conditions	Degree of Protection		Corresponding IP First Characteristic Numeral
		Brief Description	Definition	
4X	5.7	Protected against access to hazardous parts with a wire	An access probe of 1.0 mm shall not penetrate	6

Table 5-1B
Degrees of Protection Against Solid Foreign Objects

Enclosure Type	Test Conditions	Degree of Protection		Corresponding IP First Characteristic Numeral
		Brief Description	Definition	
4X	<u>Non-vented</u> 5.7	Windblown dust protected	No ingress of dust	6
	<u>Vented</u> 5.5.1 Dust Blast Method			



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Table 5-1C
Degrees of Protection against Water

Enclosure Type	Test Conditions	Degree of Protection		Corresponding IP Second Characteristic Numeral
		Brief Description	Definition	
4X	5.7	Protected against hose directed water	Water projected against the enclosure in any direction shall not enter	6 No Ingress Allowed*

Table 5-1D
Additional Protection

Enclosure Type	Test Conditions	Additional Protection		Corresponding IP Second Characteristic Numeral
		Brief Description	Definition	
4X	5.6 5.9 5.10	Special corrosion protection and undamaged by the external formation of ice	Enclosure provides increased corrosion protection and is not damaged by ice that forms on the outside	None

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NEMA 250-2014			
Clause	Requirement + Test	Result - Remark	Verdict
3	CONSTRUCTION		

3.1	General		P
3.2	Units of Measurement		P
3.3	Materials-General	Enclosures are made of metal or polymeric materials	P
3.4	Materials-Polymeric	More than 650 mm ² (1 in ²) in area Polymeric Materials used is declared as Min. HB Used to UL certified material. (See the attachment 2)	N/E
3.5	Corrosion Protection	Stainless steel and/or aluminium are declared as the materials used (See the attachment 2)	N/E
3.6	Openings	No openings in Product	N/A
3.7	Mounting	Mounting means are external to the equipment cavity (See the attachment 1)	P
3.8	Conduit Connection	No conduit connection (See the attachment 1)	N/A
3.9	Hubs and Fittings	No Hubs and Fittings	N/A
3.10	Knockouts	No Knockouts	N/A
3.11	External Operating Mechanisms	No External Operating Mechanisms	N/A
3.12	Access to Interior	Needs tool to open unit	P
3.13	Closing Hardware	No closing Hardware	N/A
3.14	Gaskets	Gaskets made of a silicone Sponge Rubber (no Elastomeric or Thermoplastic used) (See clause 5.14 and the attachment 2)	P
3.15	Observation Windows	No Observation Window	N/A

4	MARKING		
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NEMA 250-2014			
Clause	Requirement + Test	Result - Remark	Verdict
4.1	Type Designations	"Type 4X" Marking is declared to be on the product before on the market	P
4.2	Supplemental Markings	Supplemental Marking (watertight/ corrosion resistant) is declared to be used when it is on the market. The required marking shall be added on the product)	P
4.3	Location of Markings	See the Attachment 3	P
4.4	Enclosure Orientation	No Particular Mounting Orientation	N/A
4.5	Conduit Hubs and Closure Plates	No Conduit Hubs and Closure Plates	N/A
4.6	Equipment Openings	No Openings on Unit	N/A
4.7	Drainage Openings	No Drain Openings	N/A

5	DESIGN TESTS	
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5.1	General	See Table 5-1A to 5-1D and 5.1.5 in the General product information	P
5.2	Tests For Protection Against Access to Hazardous Parts	Rated 4X	N/A
5.3	Tests for Protection Against Ingress of Water (Dripping and Light Splashing)	Rated 4X	N/A
5.4	Tests for Protection Against Ingress of Water (Rain)	Rated 4X	N/A
5.5	Tests for Protection Against Ingress of Solid Foreign Objects (Setting Airborne Dust, Lint, Fibers, And Flings)	Non-vented (See clause 5.7)	N/A
5.6	External Icing Test	No external cavities to trap water when mounted in the normal position.	N/A
5.7	Tests for Protection Against Ingress of Water (Hosedown)	No entry of water See the test information	P
5.8	Indoor Corrosion Protection (Rust-Resistance Test (24-Hour Salt Spray Test))	See clause 3.5	N/E
5.9	Outdoor Corrosion Protection	See clause 3.5	N/E
5.10	Corrosion Protection-Type 3X, 3RX, 3SX, 4X Or 6P Enclosures	See clause 3.5	N/E

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NEMA 250-2014			
Clause	Requirement + Test	Result - Remark	Verdict
5.11	Test for Protection Against Ingress of Water (Temporary Submersion)	Rated 4X	N/A
5.12	Test for Protection Against Ingress of Water (Prolonged Submersion)	Rated 4X	N/A
5.13	Oil Exclusion Test	Rated 4X	N/A
5.14	GASKET MATERIAL TESTS	The product itself(including gaskets) was conditioned at 70 °C for 168 hrs according to 5.14.3(Alternate Evaluation) before performing relevant required tests.	P
5.15	Test for Sharpness of Edges	No sharp edges	P

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NEMA 250-2014			
Clause	Requirement + Test	Result - Remark	Verdict

Test Information

	Hose Down Test : Clause 5.7	P
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Description of Test

The enclosure and its external mechanisms were subjected to a stream of water from a hose that has a 25.4 mm (1 in) inside diameter nozzle and delivers at least 240 L (65 gal) per minute.

The nozzle was held from 3.0 to 3.5 m (10 to 12 feet) from the enclosure, and the spray of water was directed at all points of potential water entry such as seams, joints, external operating mechanisms, and such. The nozzle was moved along each test point one time at a uniform rate of 6 mm/sec(1/4 in/sec).

Sample Dimension(Ø 162.0 mm by 120.5 mm)

Test Duration = 147.6 secs

Acceptance conditions:

The enclosure shall be considered to have met the requirements if at the conclusion of the test no water has entered the enclosure

Test Results

Sample No (Model)	Water Flow	Presence of water inside	Result
XNV-8080RS	240 LPM	No	Pass

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List of test equipment used:

Instr. Code	Instrument Type	Range Used	Mfr./Model	Calibration Date	
				Last	Due
S3-IP18	25.4mm Nozzle	25.4 mm	CTK/S3-IP18	-	Checked by calliper below before using
S1-SW2	Stop Watch	0.01 s	CASIO/ NONE	2016-03-16	2018-03-16
S1-D09	Steel Measuring Tape	5 m	KOMELON/KMC-74N	2013-06-11	2018-06-11
S3-IP20	Water flow meter	250LPM	Nuri tech/Z-4007	2017-04-14	2018-04-14
S1-D03	DIGITAL VERNIER CALIPER	200 mm	MITUTOYO/200 mm	2017-03-21	2018-03-21



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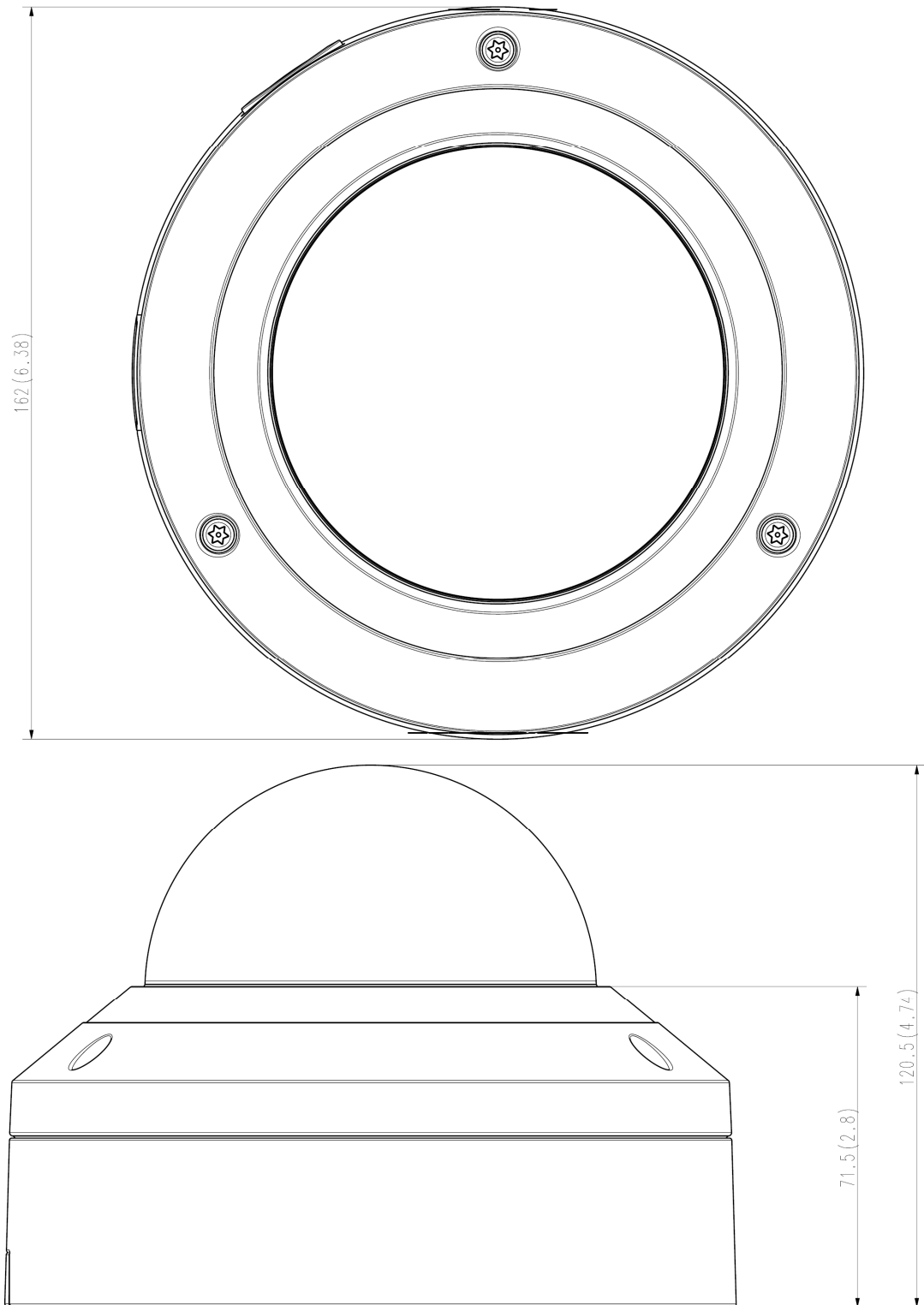
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Attachment 1 – Construction Diagram and installation method





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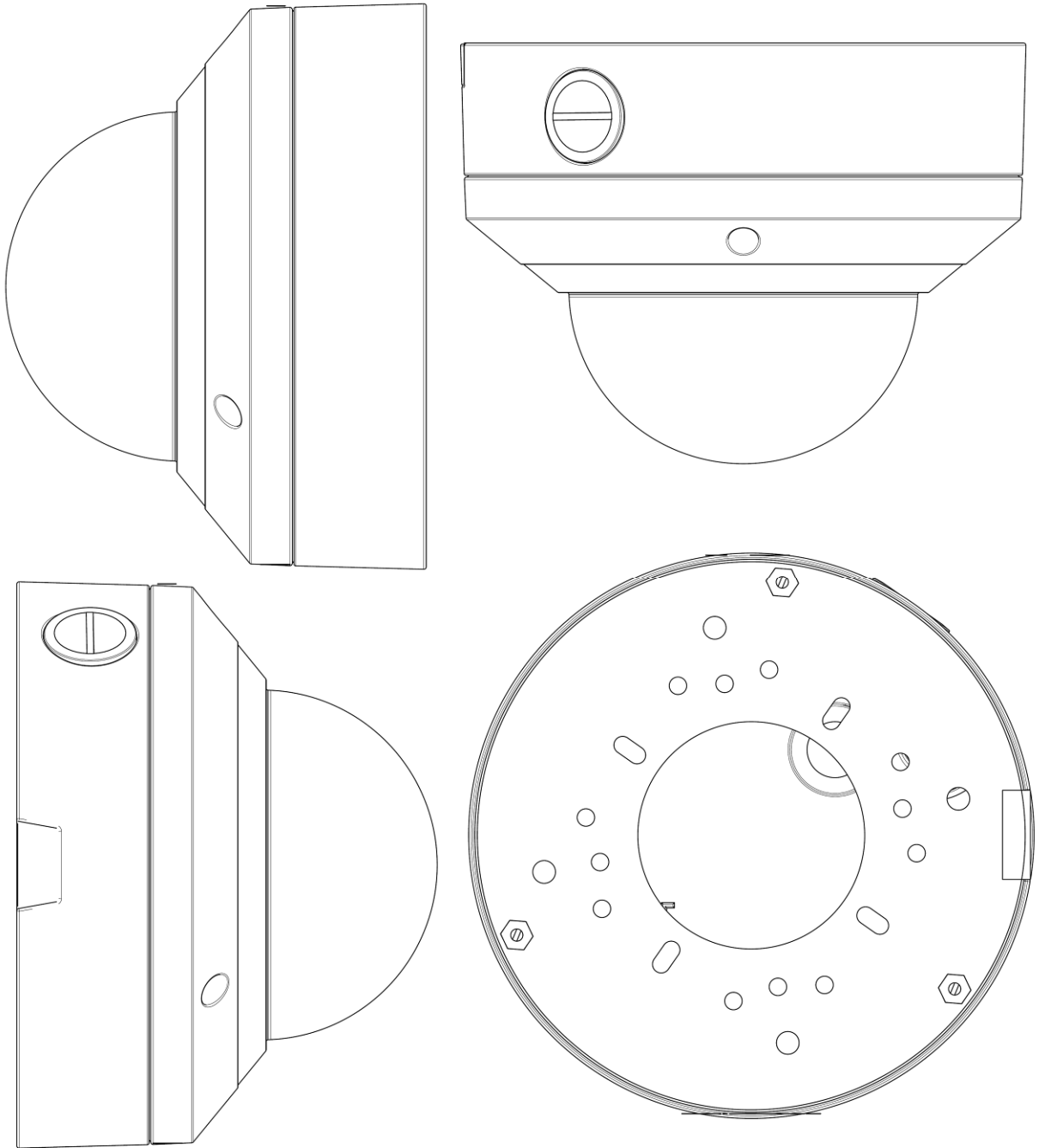
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CTK-2021-01770

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Attachment 1 – Construction Diagram and installation method





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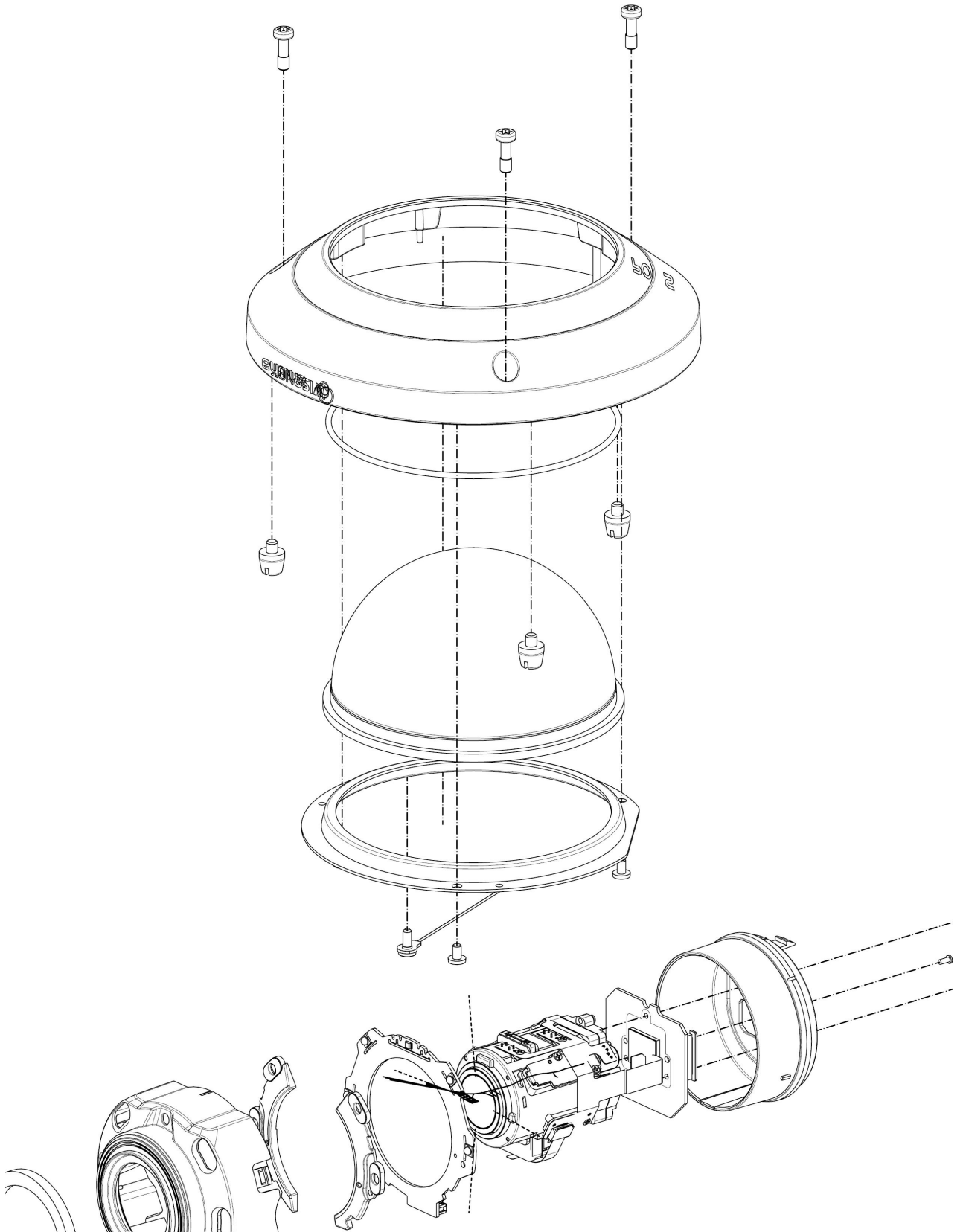
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Attachment 2 – Parts List





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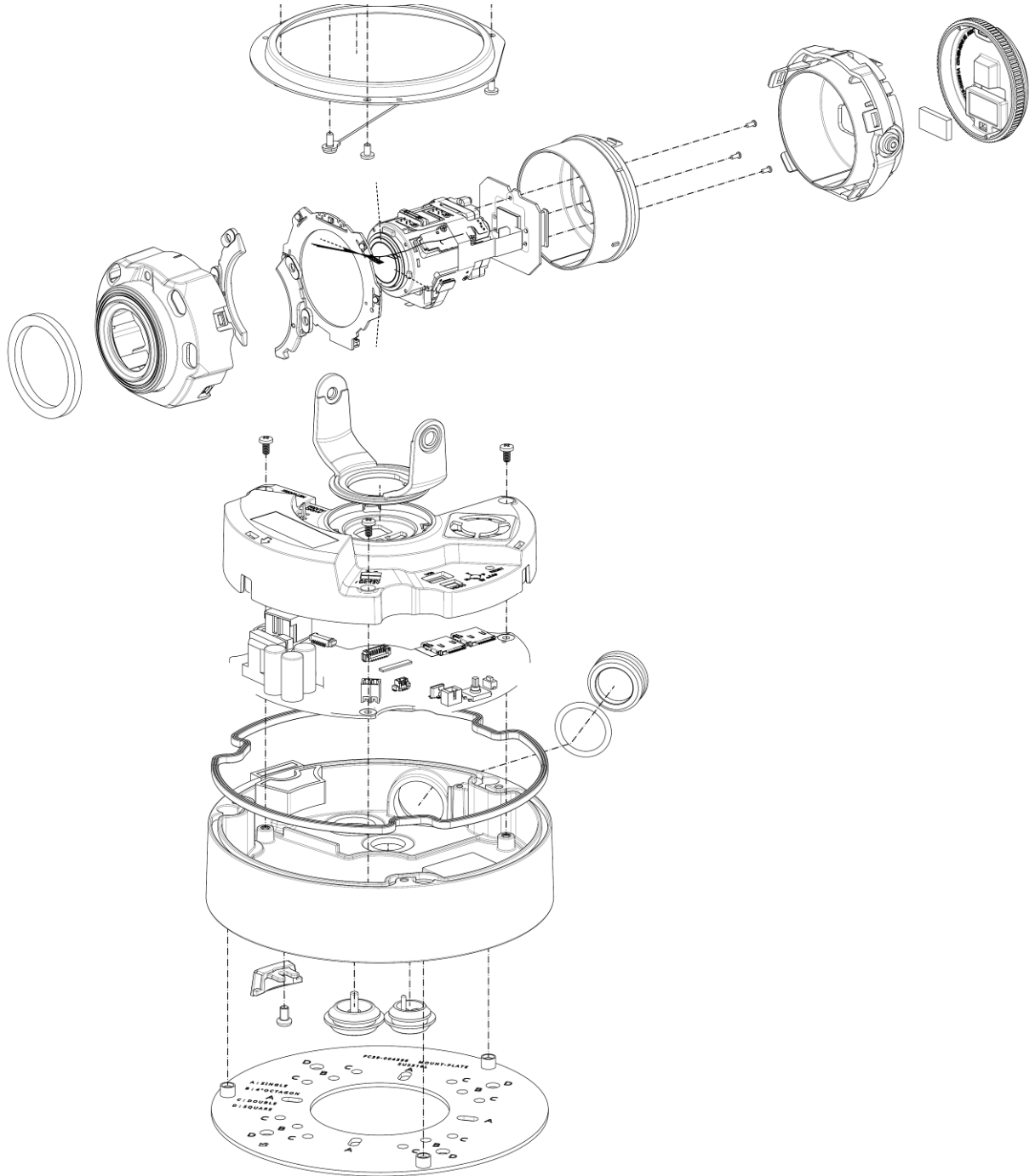
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Attachment 2 – Parts List

상위품번	품번	Level	자재내역	단위	수량
	XNV-8080RS/KEU	0	XNV-8080RS/KEU	PC	
XNV-8080RS/KEU	AM07-010805A	1	ASSY,FINAL-XNV-8080RS	PC	1
AM07-010805A	AM07-008757A	2	ASSY,HALF-XNV-8080R	PC	1
AM07-008757A	AM07-008758A	3	ASSY,MODULE-LENS-XNV-8080R	PC	1
AM07-008758A	FC15-005351A	4	COVER-REAR HS;ALDC12,XNV-8080R,BLK	PC	1
AM07-008758A	PM02-003626A	4	CUSHION,PAD-PND-9080R;EVA SPONGE, T3	PC	1
AM07-008758A	AM07-008751A	4	ASSY,TILT-HOLDER-XNV-8080R	PC	1
AM07-008751A	FC29-008718A	5	HOLDER-LENS;XNV-8080R,BLK,PC V0	PC	1
AM07-008751A	FC29-008749A	5	HOLDER-TILT;XNV-8080R,BLK,PC V0	PC	1
AM07-008758A	Z6003020401A	4	SCREW-TAPTYPE;6003-001453,BH,+,B,M1.7,L	PC	5
AM07-008758A	AM07-006309B	4	ASSY,VCL-TL3 VF,EXPORT;GS_CHG	PC	1
AM07-008758A	AM06-006767A	4	ASSY,PCB-XNV-8080R_SENSOR	PC	1
AM07-008758A	EP16-002371A	4	FPCB-XNV-8080R;SENSOR TO NW,2L,E	PC	1
AM07-008758A	Z6209004001A	4	3080_HEAT_PAD	PC	1
AM07-008758A	FC10-001094A	4	RUBBER,RING-FPCB;SILICON,XNV-8080R,BLK	PC	2.4
AM07-008757A	AM07-008759A	3	ASSY,COVER-IR-XNV-8080R	PC	1
AM07-008759A	FC29-008717A	4	HOLDER-IR;XNV-8080R,BLK,PC V0	PC	1
AM07-008759A	FC28-002089A	4	PAD-THERMAL;KOMOTECH GP-1,SNV-8081R,T0.5	PC	2
AM07-008759A	Z6003019801A	4	SCREW-TAPTYPE;6003-001440,BH,+,B,M2,L4,	PC	2
AM07-008759A	EP07-001028C	4	SINK,HEAT-L;ALDC12,BLK,SNV-8081R	PC	1
AM07-008759A	EP07-001028D	4	SINK,HEAT-R;ALDC12,BLK,SNV-8081R	PC	1
AM07-008759A	FC29-008761A	4	HOOD-IR;XNV-8080R,PORON SPONGE(PSR),T4	PC	1
AM07-008759A	AM06-006761A	4	ASSY,PCB-XNV-8080R_IR_HEATER	PC	1
AM07-008757A	Z3105004301A	3	FAN-DC;3103-001164,+5V,100mA,7500rpm,0.	PC	1
AM07-008757A	AM07-008752A	3	ASSY,FRAME MAIN-XNV-8080R	PC	1
AM07-008752A	FC39-004138A	4	FRAME-MAIN;PC V0,XNV-8080R,BLK	PC	1
AM07-008752A	FC39-004137A	4	FRAME-PAN;PC V0,XNV-8080R,BLK	PC	1
AM07-008757A	Z6003012501A	3	4748_TAPTITE_SCREW_M3_L6	PC	1
AM07-008757A	EP02-004225A	3	HARNESS-XNV-8080R;WIRE,8P-8P,90MM	PC	1
AM07-010805A	AM07-010802A	2	ASSY,CASE-BOTTOM-XNV-6080RS	PC	1
AM07-010802A	HP07-001301A	3	GASKET-BOTTOM_XNV-6080RS;SILICON	PC	1
AM07-010802A	FC18-001028A	3	O-RING;Ø2.8,OD27.5,SILICON,GRAY	PC	1
AM07-010802A	FC18-001116A	3	SCREW-MACHINE;TORX T20,BH,M4,0.7,L6,SUS	PC	1
AM07-010802A	FC29-009956A	3	CAP-CABLE_XNV-6080RS;SUS316L	PC	1
AM07-010802A	FC29-009955A	3	CAP-BOLT_XNV-6080RS;SUS316L	PC	1
AM07-010802A	FC29-009954A	3	CASE-BOTTOM_XNV-6080RS;SUS316L	PC	1
AM07-010802A	MC06-001074A	3	BUSHING-CABLE SET;SILICON	PC	1
AM07-010802A	MC06-001042A	3	BUSHING-CABLE SET;SILICON,PNV-9080R	PC	1
AM07-010805A	RM04-000145A	2	TAPE-DOUBLE SIDED;3M 6408,T0.1,W25,L25	PC	2

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Attachment 2 – Parts List

상위품번	품번	Level	자재내역	단위	수량
AM07-010805A	Z9642306007	2	MACHINE SCREW(M3xL6,Zn-B,넵비머리)	PC	3
AM07-010805A	FC28-000761A	2	PAD-THERMAL_PAD_GP_3000S30_30X30_2	PC	1
AM07-010805A	AM06-006779A	2	ASSY,PCB-XNV-8080RN/EX_NETWORK_IR	PC	1
AM07-010805A	AM07-010803A	2	ASSY,CASE-TOP-XNV-6080RS	PC	1
AM07-010803A	FC15-006244A	3	COVER-DOME;NYLON_TR90_	PC	1
AM07-010803A	Z8100222601A	3	RING-OP 102;AB81-00079A,SNC-B5399,SILIC	PC	1
AM07-010803A	FC09-003235A	3	BRACKET-DOME;SECC T1.0,SNV-6084R	PC	1
AM07-010803A	Z6003015101A	3	SCREW-TAPTYPE;6003-000254,BH,+,-,S,M3,L	PC	3
AM07-010803A	FC15-006081A	3	COVER-TOP_XNV-6080RS;SUS316L,	PC	1
AM07-010803A	FC18-004000A	3	SCREW-BUILT-IN_TORX20;0.7,15,NO,4	PC	3
AM07-010803A	FC29-010030A	3	GUIDE-PIN_TOP_XNV-6080RS;SUS316L	PC	3
AM07-010805A	PM02-003026A	2	DESIPAK-6G	PC	2.4
AM07-010805A	FC36-001124A	2	SHEET-PROTECT DOME;LDPE,T0.08	PC	1
AM07-010805A	PM02-003840B	2	CUSHION-PROTECT LENS-XNV-8080R;8+2,EVA	PC	1
AM07-010805A	FC39-004596A	2	MOUNT-PLATE_XNV-6080RS;SUS316L	PC	1
AM07-010805A	Z6909023701A	2	1000_FILAMENT_TAPE	PC	3
XNV-8080RS/KEU	PT03-002454B	1	LABEL-RATING-CAMERA-EXPORT-BASIC	PC	1

QMFZ2 Component - Plastics

Friday, October 24, 2003

E53898

EMS-CHEMIE AG

EMS CHEMIE HOLDING REICHENAUERSTRASSE DOMAT/EMS 7013 CH

Material Designation: **Grilamid TR90**

Product Description: Polyamide (PA), modified, designated "Grilamid" furnished as pellets.

Color	Min. Thick. (mm)	Flame Class	HWI	HAI	RTI Elec	RTI Imp	RTI Str	IEC GWIT	IEC GWFI
NC	0.75	HB	4	0	65	65	65	-	-
	1.5	HB	3	0	65	65	65	-	-
	3.0	HB	2	0	65	65	65	-	-
CTI: 0	IEC CTI (V): -	HVTR: 0			D495: 4			IEC Ball Pressure (°C): -	
Dielectric Strength (kV/mm): -		Volume Resistivity (10×ohm-cm): -					Dimensional Stability(%): -		
ISO Tensile Strength (MPa): -		ISO Flexural Strength (MPa): -					ISO Heat Deflection (°C): -		
ISO Tensile Impact (kJ/m²): -		ISO Izod Impact (kJ/m²): -					ISO Charpy Impact (kJ/m²): -		

Report Date: 5/2/1996

Underwriters Laboratories Inc®

UL94 small-scale test data does not pertain to building materials, furnishings and related contents. UL 94 small-scale test data is intended solely for determining the flammability of plastic materials used in components and parts of end-product devices and appliances, where the acceptability of the combination is determined by ULI.



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Attachment 3 – Photographs

<Photo 1 > Test Unit



<Photo 2 > Test Unit



Attachment 3 – Photographs

<Photo 3 > Hose down test



<Photo 4 > Test Result

