



JEISOON KANG
HANWHA TECHWIN CO LTD
42 SUNGJU-DONG
CHANGWON-SI GYEONGNAM 641-716 KOREA

Date: 2017/01/25
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File No: E158873
Project No: 4787699816
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PO Number: KANG, JEISOON

Subject: **Procedure And/Or Report Material**

The following material resulting from the investigation under the above numbers is enclosed.

Issue

<u>Date</u>	<u>Vol</u>	<u>Sec</u>	<u>Pages</u>	<u>Revised Date</u>
		X1	Index Page(s)	
2017/01/23	X1	A157	Cert of Compliance	
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Please file revised pages and illustrations in place of material of like identity. New material should be filed in its proper numerical order.

NOTE: Follow-Up Service Procedure revisions DO NOT include Cover Pages, Test Records and Conclusion Pages. Report revisions DO NOT include Authorization Pages, Indices, Section General Pages and Appendixes.

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SEO File

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Product Type	Model/Type Reference	Report Reference #	Status
Digital Video Recorder	SVR-430	E158873-A2-UL	
Video Presenter	UF-80, UF-80DX, UF-80ST	E158873-A4-UL	
Video Presenter	SVP-5300N	E158873-A5-UL	
Video Presenter	SDP-900DXAN, SDP-950DXAN, SDP-950STAN	E158873-A6-UL	
Video Presenter	SDP-850, SDP-850DX	E158873-A9-UL	
Digital Video Recorder	SVR-1650, SVR-1650E, SVR-1640, SVR-1640E, SVR-950, SVR-950E and SVR-1640A	E158873-A11-UL	
Video Presenter	SDP-6500DXA	E158873-A12-UL	
HDD Extension Unit	SVS-5	E158873-A13-UL	
Video Presenter	UF-130DX	E158873-A14-UL	
Video Presenter	UF-130ST	E158873-A15-UL	
Network Video Recorder	SNR-6400, SNR-3200, SRN-3250, SRN-6450	E158873-A16-UL	
Digital Video Recorder.	SVR-480	E158873-A17-UL	Withdrawn
Video Presenter	SDP-860	E158873-A18-UL	
Digital Video Recorder.	SVR-1670	E158873-A19-UL	
UTP Power Supply Unit	SPU-400	E158873-A20-UL	Withdrawn
Digital Video Recorder.	SRD-1630D, SRD-1630, SRD-1610D, SRD-1610, SRD-830D, SRD-830, SRD-1670D, SRD-1670DC, SRD-1670, SRD-1671, SRD-870D, SRD-870DC, SRD-870, SRD-871, SRD-1650D, SRD-1650DC, SRD-1650, SRD-1651, SRD-850D, SRD-850DC, SRD-850, SRD-851, SRD-1630DCP, SRD-1630DCN, SRD-1610DCP, SRD-1610DCN, SRD-830DCP, SRD-830DCN, SRD-#####\$&@	E158873-A24-UL	
Digital Presenter	SDP-960	E158873-A40-UL	
Digital Presenter	SDP-760	E158873-A44-UL	
Network Camera	SNP-5300H*, SNP-6201H* (* is N or P: N = NTSC, P=PAL)	E158873-A45-UL	
Network Camera	SND-7011*, SND-5011*, SND-5061*, SND-7061*, SNV-5010*, SNZ-5200* (* is N or P: N = NTSC, P=PAL)	E158873-A46-UL	
Network Camera	SNP-5300*, SNP-6201* (* is N or P: N = NTSC, P=PAL)	E158873-A47-UL	
Digital Color Camera	SCP-3371H*, SCP-2371H*, SCP-2271H*, SCP-2373H*, SCP-2273H* (* is N or P: N = NTSC, P=PAL)	E158873-A48-UL	
Digital Color Camera	SCP-3371*, SCP-2371*, SCP-2271*, SCP-2373*, SCP-2273* (* is N or P: N = NTSC, P=PAL)	E158873-A49-UL	
Network Camera	SND-7082*, SND-7082F*, SNV-7082* (* is N or P: N = NTSC, P=PAL)	E158873-A50-UL	
Network Camera	SNB-7001*, SNB-5001*, SNB-3002* (* is N or P: N = NTSC, P=PAL)	E158873-A51-UL	
Network Camera	SNO-7082R* (* is N or P: N = NTSC, P=PAL)	E158873-A52-UL	
Network Camera	SNB-7002* (* is N or P: N = NTSC, P=PAL)	E158873-A53-UL	

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DIGITAL COLOR CAMERA	SCV-2010F*, SCD-1020R*, SCD-2080R*, SCD-2020R*, SCD-2010*, SCD-2010B*, SCD-2010F*, SCB-3020*, SCB-3021*, SCB-2010*, SCO-1020R* (* is N or P: N=NTSC, P=PAL)	E158873-A54-UL	
Network Camera	SNB-6004*, SNB-6003*, SNB-5004*, SNB-5003*, SNB-7004*, SNB-6005* (* is N or P: N = NTSC, P=PAL)	E158873-A55-UL	
Network Camera	SND-6084*, SND-6083*, SND-5084*, SND-5083*, SND-7084* (* is N or P: N = NTSC, P=PAL)	E158873-A56-UL	
DIGITAL COLOR CAMERA	SCD-2022*, SCD-2022R*, SCD-2042R* (* is N or P: N = NTSC, P=PAL)	E158873-A58-UL	
Digital Color Camera	SCB-2004*, SCB-2005* (* is N or P: N = NTSC, P=PAL);	E158873-A59-UL	
Digital Color Camera	SCD-2082*, SCV-2082R*, SCV-3083*, SCD-3083* (* is N or P: N = NTSC, P=PAL)	E158873-A60-UL	
Network Camera	SND-6084R*, SND-7084R*, SND-5084R* (* is N or P: N = NTSC, P=PAL)	E158873-A61-UL	
NETWORK CAMERA	SNO-6084R*, SNO-7084R* (* is N or P: N = NTSC, P=PAL)	E158873-A62-UL	
Network Camera	SNV-6084R*, SNV-6084*, SNV-5084*, SNV-7084*, SNV-7084R*, SNV-5084R* (* is N or P: N = NTSC, P=PAL)	E158873-A63-UL	
Digital Color Camera	SCO-2081R* (* is N or P: N = NTSC, P=PAL)	E158873-A64-UL	
DIGITAL COLOR CAMERA	SCB-2004*D, SCB-2005*D (* is N or P: N = NTSC, P=PAL)	E158873-A65-UL	
DIGITAL VIDEO RECORDER	SRD-1673D*, SRD-1654D*, SRD-854D*, SRD-852D*, SRD-1673*, SRD-1653*, SRD-873*, SRD-1640*, SRD-840*(* is N or P, N=NTSC / P=PAL)	E158873-A66-UL	
Network Camera	SNP-6200RH*, SCP-2370RH* (* is N or P: N=NTSC,P=PAL)	E158873-A67-UL	
Network Camera	SNV-6012M* (* is N or P: N = NTSC, P=PAL)	E158873-A68-UL	
Network Camera	SNF-7010*, SNF-7010V*, SNF-7010VM* (* is N or P: N = NTSC, P=PAL)	E158873-A69-UL	
Network Camera	SNO-6011R* (* is N or P: N = NTSC, P=PAL)	E158873-A72-UL	
Network Camera	SND-6011R* (* is N or P: N = NTSC, P=PAL)	E158873-A73-UL	
Digital Video Recorder	SRD-1680D*, SRD-880D* (*is N:NTSC / P:PAL)	E158873-A74-UL	
DIGITAL COLOR CAMERA	SCZ-2373*, SCZ-2273* (* is N or P: N = NTSC, P=PAL)	E158873-A75-UL	
NETWORK CAMERA	SCO-6081R* (* is N or P: N = NTSC, P=PAL)	E158873-A76-UL	
DIGITAL COLOR CAMERA	SCV-6081R* and SCD-6081R* (* is N or P: N = NTSC, P=PAL)	E158873-A77-UL	
NETWORK VIDEO RECORDER	SRN-4000	E158873-A78-UL	
DIGITAL COLOR CAMERA	SCD-6021* (* is N or P: N = NTSC, P=PAL)	E158873-A81-UL	
NETWORK CAMERA	SNV-6013* (* is N or P: N = NTSC, P=PAL)	E158873-A83-UL	
NETWORK CAMERA	SNB-6010*, SNB-6010A*, SNB-6011*, SNB-6010B*, SNB-6011B* (* is N or P: N = NTSC, P=PAL)	E158873-A85-UL	
NETWORK CAMERA	SNP-6320H*, SNP-5430H* (* is N or P: N = NTSC, P=PAL)	E158873-A86-UL	

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NETWORK CAMERA	SNP-6320*, SNP-5430* (* is N or P: N = NTSC, P=PAL)	E158873-A87-UL	
Network Video Recorder	SRN-472S, XRN-810S* (* is N or P: N = NTSC, P=PAL)	E158873-A88-UL	
Digital Video Recorder	SRD-1676D*, SRD-1656D*, SRD-876D* (* is N or P, N=NTSC/ P=PAL)	E158873-A89-UL	
DIGITAL COLOR CAMERA	SCB-5000* (* is N or P: N = NTSC, P=PAL)	E158873-A90-UL	
DIGITAL COLOR CAMERA	SCB-5000*D (* is N or P: N = NTSC, P=PAL)	E158873-A91-UL	
DIGITAL COLOR CAMERA	SCD-5080* (* is N or P: N = NTSC, P=PAL)	E158873-A92-UL	
DIGITAL COLOR CAMERA	SCB-5003*, SCB-5005* (* is N or P: N = NTSC, P=PAL)	E158873-A94-UL	
DIGITAL COLOR CAMERA	SCV-5082* (* is N or P: N = NTSC, P=PAL)	E158873-A95-UL	
DIGITAL COLOR CAMERA	SCD-5083*, SCD-5083R*, SCD-5082*, SCD-5083B*, SCD-5081R* (* is N or P: N = NTSC, P=PAL)	E158873-A96-UL	
DIGITAL COLOR CAMERA	SCV-5083* (* is N or P: N = NTSC, P=PAL) SCV-5083R* (* is N or P: N = NTSC, P=PAL) SCV-5081R* (* is N or P: N = NTSC, P=PAL)	E158873-A97-UL	
NETWORK CAMERA	SNF-8010VM*, SNF-8010* (* is N or P: N = NTSC, P=PAL)	E158873-A98-UL	
DIGITAL COLOR CAMERA	SCD-5030*, SCD-5020* (* is N or P: N = NTSC, P=PAL)	E158873-A99-UL	
NETWORK CAMERA	SNO-5084R* (* is N or P: N = NTSC, P=PAL)	E158873-A100-UL	
DIGITAL COLOR CAMERA	SCO-5083R*, SCO-5081R* (* is N or P: N = NTSC, P=PAL)	E158873-A101-UL	
NETWORK CAMERA	SNP-6321*, SNP-L6233* (* is N or P: N = NTSC, P=PAL)	E158873-A102-UL	
NETWORK CAMERA	SNP-6321H*, SNP-L6233H* (* is N or P: N = NTSC, P=PAL)	E158873-A103-UL	
DIGITAL COLOR CAMERA	SCV-5085* (* is N or P: N = NTSC, P=PAL)	E158873-A104-UL	
NETWORK CAMERA	SNB-8000* (* is N or P: N = NTSC, P=PAL)	E158873-A105-UL	
NETWORK CAMERA	SNV-8080* (* is N or P: N = NTSC, P=PAL)	E158873-A106-UL	
NETWORK CAMERA	SNZ-6320	E158873-A107-UL	
NETWORK CAMERA	SNP-6320RH*, SNP-L6233RH* (* is N or P: N=NTSC,P=PAL)	E158873-A108-UL	
NETWORK CAMERA	SNP-5321H*, SNP-L5233H* (* is N or P: N = NTSC, P=PAL)	E158873-A109-UL	
NETWORK CAMERA	SNP-5321*, SNP-L5233* (* N: NTSC / P:PAL)	E158873-A110-UL	
NETWORK CAMERA	SND-L6013R*, SND-L6013*, SND-L6012*, SND-L5013* (* is N or P: N:NTSC/ P:PAL)	E158873-A111-UL	
NETWORK CAMERA	SNO-L6083R*, SNO-L5083R* (* is N or P: N = NTSC, P=PAL)	E158873-A113-UL	
Network Video Recorder	SRN-1673S*(* is N or P)	E158873-A115-UL	
NETWORK	SNO-L6013R* (* is N or P: N = NTSC, P=PAL)	E158873-A118-UL	

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CAMERA			
NETWORK CAMERA	SND-L6083R*, SND-L5083R* (* is N or P: N = NTSC, P=PAL)	E158873-A119-UL	
Network Video Recorder	SRN-873S* (* is N or P: N = NTSC, P=PAL)	E158873-A120-UL	
NETWORK CAMERA	SNV-L6083R*, SNV-L5083R* (* is N or P: N = NTSC, P=PAL)	E158873-A121-UL	
NETWORK CAMERA	SNB-9000* (* is N or P: N = NTSC, P=PAL)	E158873-A122-UL	
Optical PTZ Accessary	SBP-301HF, SBP-302HF	E158873-A125-UL	
Optical PTZ Accessary	SBP-300HF	E158873-A126-UL	
NETWORK CAMERA	SNV-8081R* (* is N or P: N = NTSC, P=PAL)	E158873-A127-UL	
NETWORK CAMERA	SNO-8081R* (* is N or P: N = NTSC, P=PAL)	E158873-A128-UL	
NETWORK CAMERA	SNV-6085R* (* is N or P: N = NTSC, P=PAL) SNV-6085* (* is N or P: N = NTSC, P=PAL)	E158873-A129-UL	
DIGITAL COLOR CAMERA	SCB-6003* (* is N or P: N = NTSC, P=PAL)	E158873-A130-UL	
DIGITAL COLOR CAMERA	SCO-6023R* (* is N or P: N = NTSC, P=PAL)	E158873-A132-UL	
DIGITAL COLOR CAMERA	SCV-6083R* (* is N or P: N = NTSC, P=PAL)	E158873-A133-UL	
DIGITAL COLOR CAMERA	SCV-6023R* (* is N or P: N = NTSC, P=PAL)	E158873-A135-UL	
DIGITAL COLOR CAMERA	SCD-6023R* (* is N or P: N = NTSC, P=PAL)	E158873-A136-UL	
DIGITAL COLOR CAMERA	SCD-6083R* (* is N or P: N = NTSC, P=PAL)	E158873-A137-UL	
DIGITAL COLOR CAMERA	SCO-6083R* (* is N or P: N = NTSC, P=PAL)	E158873-A138-UL	
NETWORK CAMERA	SNV-L6014RM*, SNV-L6013R* (* is N or P: N = NTSC, P=PAL)	E158873-A139-UL	
DIGITAL COLOR CAMERA	PNO-9080R* (* is N or P: N = NTSC, P=PAL)	E158873-A140-UL	
NETWORK CAMERA	PNV-9080R* (* is N or P: N = NTSC, P=PAL)	E158873-A141-UL	
NETWORK CAMERA	PND-9080R* (* is N or P: N = NTSC, P=PAL)	E158873-A142-UL	
Digital Video Recorder	SRD-1685*, SRD-894* (* is N or P, N=NTSC/ P=PAL)	E158873-A143-UL	
Digital Video Recorder	SRD-1694* (* is N or P, N=NTSC/ P=PAL)	E158873-A144-UL	
Network Video Recorder (NVR)	XRN-2011*, XRN-2010*, XRN-3010*, XRN-1610* (* is N or P: N=NTSC, P=PAL)	E158873-A146-UL	
NETWORK CAMERA	QNO-7030R*, QNO-7020R*, QNO-7010R*, QNO-6030R*, QNO-6020R*, QNO-6010R*, QNO-6070R*, QNO-7080R* (* is N or P: N = NTSC, P=PAL)	E158873-A147-UL	
NETWORK CAMERA	QND-7030R*, QND-7020R*, QND-7010R*, QND-6030R*, QND-6020R*, QND-6010R*, QND-6070R*, QND-7080R* (* is N or P: N = NTSC, P=PAL)	E158873-A148-UL	

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NETWORK CAMERA	QNV-7030R*, QNV-7020R*, QNV-7010R*, QNV-6030R*, QNV-6020R*, QNV-6010R*, QNV-6070R*, QNV-7080R* (* is N or P: N = NTSC, P=PAL)	E158873-A149-UL	
Network Video Recorder	XRN-1610S* (* is N or P: N=NTSC, P=PAL)	E158873-A150-UL	
NETWORK CAMERA	PNF-9010RV*, PNF-9010R*, PNF-9010RVM* (* is N or P: N = NTSC, P=PAL)	E158873-A151-UL	
NETWORK CAMERA	PNM-9020V* (* is N or P: N = NTSC, P=PAL)	E158873-A152-UL	
Network Video Recorder	PRN-4011* (* is N or P: N=NTSC, P=PAL)	E158873-A153-UL	
DIGITAL COLOR CAMERA	HCP-6320*, HCP-6320A* (* is N or P: N = NTSC, P=PAL)	E158873-A154-UL	
DIGITAL COLOR CAMERA	HCP-6320H*, HCP-6320HA* (* is N or P: N = NTSC, P=PAL)	E158873-A155-UL	
NETWORK CAMERA	PNP-9200RH*, XNP-6370RH* (* is N or P: N=NT, P=PAL)	E158873-A156-UL	
NETWORK CAMERA	XNB-8000*, XNB-6000* (* is N or P: N = NTSC, P=PAL)	E158873-A157-UL	
NETWORK CAMERA	XNO-8080R*, XNO-6080R* (* is N or P: N = NTSC, P=PAL)	E158873-A158-UL	
NETWORK CAMERA	XNV-8080R* (* is N or P: N = NTSC, P=PAL) XNV-6080R* (* is N or P: N = NTSC, P=PAL) XNV-6080* (* is N or P: N = NTSC, P=PAL)	E158873-A161-UL	
NETWORK CAMERA	XND-8080RV*, XND-8080R*, XND-6080RV*, XND-6080R*, XND-6080V*, XND-6080* (* is N or P: N = NTSC, P=PAL)	E158873-A162-UL	

CERTIFICATE OF COMPLIANCE

Certificate Number 20170125-E158873
Report Reference E158873-20170123
Issue Date 2017-JANUARY-25

Issued to: Hanwha Techwin Co Ltd
42 SUNGJU-DONG
CHANGWON-SI GYEONGNAM 641-716 KOREA

**This is to certify that
representative samples of**

INFORMATION TECHNOLOGY EQUIPMENT INCLUDING
ELECTRICAL BUSINESS
NETWORK CAMERA, Models: XNB-8000*, XNB-6000*

(* is N or P: N = NTSC, P=PAL)

Have been investigated by UL in accordance with the
Standard(s) indicated on this Certificate.

Standard(s) for Safety:

UL 60950-1, Information Technology Equipment - Safety -
Part 1: General Requirements.
CAN/CSA C22.2 No. 60950-1-07, Information Technology
Equipment - Safety - Part 1: General Requirements.

Additional Information:

See the UL Online Certifications Directory at
www.ul.com/database for additional information

Only those products bearing the UL Certification Mark should be considered as being covered by UL's
Certification and Follow-Up Service.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program
UL LLC

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UL TEST REPORT AND PROCEDURE

Standard:	UL 60950-1, 2nd Edition, 2014-10-14 (Information Technology Equipment - Safety - Part 1: General Requirements) CAN/CSA C22.2 No. 60950-1-07, 2nd Edition, 2014-10 (Information Technology Equipment - Safety - Part 1: General Requirements)
Certification Type:	Listing
CCN:	NWGQ, NWGQ7 (Information Technology Equipment Including Electrical Business Equipment)
Product:	NETWORK CAMERA
Model:	XNB-8000*, XNB-6000* (* is N or P: N = NTSC, P=PAL)
Rating:	24 Vac(50 or 60 Hz), 0.66 A / 12 Vdc, 0.7 A / 37-57 Vdc(PoE), 0.23 A for XNB-8000* 24 Vac(50 or 60 Hz), 0.64 A / 12 Vdc, 0.61 A / 37 - 57 Vdc(PoE), 0.21 A for XNB-6000*
Applicant Name and Address:	HANWHA TECHWIN CO LTD 42 SUNGJU-DONG CHANGWON-SI GYEONGNAM 641-716 KOREA

This is to certify that representative samples of the products covered by this Test Report have been investigated in accordance with the above referenced Standards. The products have been found to comply with the requirements covering the category and the products are judged to be eligible for Follow-Up Service under the indicated Test Procedure. The manufacturer is authorized to use the UL Mark on such products which comply with this Test Report and any other applicable requirements of UL LLC ('UL') in accordance with the Follow-Up Service Agreement. Only those products which properly bear the UL Mark are considered as being covered by UL's Follow-Up Service under the indicated Test Procedure.

The applicant is authorized to reproduce the referenced Test Report provided it is reproduced in its entirety.

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL.

Prepared by: Jeremy Lim

Reviewed by: ManSoo Huh

Supporting Documentation

The following documents located at the beginning of this Procedure supplement the requirements of this Test Report:

- A. Authorization - The Authorization page may include additional Factory Identification Code markings.
- B. Generic Inspection Instructions -
 - i. Part AC details important information which may be applicable to products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of this Test Report.
 - ii. Part AE details any requirements which may be applicable to all products covered by this Procedure. Products described in this Test Report must comply with any applicable items listed unless otherwise stated in the body of each Test Report.
 - iii. Part AF details the requirements for the UL Certification Mark which is not controlled by the technical standard used to investigate these products. Products are permitted to bear only the Certification Mark(s) corresponding to the countries for which it is certified, as indicated in each Test Report.

Product Description

Network Camera, This product is power by listed power supply which complies with LPS or class 2.

Model Differences

Model XNB-8000* is a basic model.

Model XNB-6000* is identical to model XNB-8000* except for model designation, resolution and rating.

Technical Considerations

- Equipment mobility : stationary
- Connection to the mains : No direct connection
- Operating condition : continuous
- Access location : operator accessible
- Over voltage category (OVC) : OVC II
- Mains supply tolerance (%) or absolute mains supply values : No direct connection
- Tested for IT power systems : No
- IT testing, phase-phase voltage (V) : N/A
- Class of equipment : Class III (supplied by SELV)
- Considered current rating of protective device as part of the building installation (A) : N/A
- Pollution degree (PD) : N/A
- IP protection class : IP X0
- Altitude of operation (m) : Up to 2 000
- Altitude of test laboratory (m) : Less than 2 000
- Mass of equipment (kg) : 0.34
- The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of: 55 °C
- The following are available from the Applicant upon request: Installation (Safety) Instructions / Manual

Additional Information

4787699816

1. Unit is operated continuously

Additional Standards

The product fulfills the requirements of: N/A

Markings and instructions

Clause Title	Marking or Instruction Details
Replaceable batteries	"CAUTION: Risk of Explosion if Battery is replaced by an Incorrect Type. Dispose of Used Batteries According to the Instructions."
Installation Manual - Selection of Power Supply	The Users Manual should provide simple instructions for the correct selection of a suitable Listed Class 2 Power Units, including a statement such as "This product is intended to be supplied by Power Unit marked "Class 2" or "LPS" and rated 24 Vac(50 or 60 Hz) Min. 0.64A / 12 Vdc, Min. 0.61 A.
Installation Manual - Network Environment	The following statement or similar shall be included in the User Manual: "Unit is intended for installation in a Network Environment 0 as defined in IEC TR 62102. As such, associated Ethernet wiring shall be limited to inside the building."
Installation Manual - UL Listed PoE Source	The following statement or similar shall be included in the User Manual: "The wired LAN hub providing power over the Ethernet (PoE) in accordance with IEEE 802-3af shall be a UL Listed device with the output evaluated as a Limited Power Source as defined in UL60950-1.
1.7.1 Power rating - Ratings	Ratings (voltage, frequency/dc, current)
1.7.1 Power rating - Company identification	Listee's or Recognized company's name, Trade Name, Trademark or File Number
1.7.1 Power rating - Model	Model Number
1.7.6 Fuses - Rating	Rated current and voltage and type located on or adjacent to fuse or fuseholder.

Special Instructions to UL Representative

N/A

Production-Line Testing Requirements

Electric Strength Test Special Constructions - Refer to Generic Inspection Instructions, Part AC for further information.

Model	Component	Removable Parts	Test probe location	V rms	V dc	Test Time, s
N/A						

Earthing Continuity Test Exemptions - This test is not required for the following models:

All models

Electric Strength Test Exemptions - This test is not required for the following models:

All models

Electric Strength Test Component Exemptions - The following solid-state components may be disconnected from the remainder of the circuitry during the performance of this test:

Sample and Test Specifics for Follow-Up Tests at UL

Model	Component	Material	Test	Sample(s)	Test Specifics
N/A					

1.5.1	TABLE: list of critical components					Pass
Object/part or Description	Manufacturer/ trademark	type/model	technical data	Product Category CCN(s)	Required Marks of Conformity	Supplement ID
Power Supply (Optional) -for model XNB-8000*	Various	Various	Rated output 24 Vac, 50/60 Hz, min.0.66 A, marked "LPS" or "Class 2"	QQGQ or EPBU	UL	
Power Supply (Optional) -for model XNB-6000*	Various	Various	Rated output 24 Vac, 50/60 Hz, min.0.64 A, marked "LPS" or "Class 2"	QQGQ or EPBU	UL	
Power Supply (Optional) -for model XNB-8000*	Various	Various	Rated output 12 Vdc, min.0.7 A, marked "LPS" or "Class 2"	QQGQ or EPBU	UL	
Power Supply (Optional) -for model XNB-6000*	Various	Various	Rated output 12 Vdc, min.0.61 A, marked "LPS" or "Class 2"	QQGQ or EPBU	UL	
Label	Various	Various	Min.70 deg. C if max. surface temperature not specified.	PGDQ2 or PGJ12	USR	
Enclosure (Metal)	Various	Various	Aluminium, Min. 2.0 mm thickness.	-	-	
Enclosure (Plastic)	LOTTE ADVANCED MATERIALS CO LTD	HN-1064(+)	Min. 1.2 mm thickness, rated Min. V-1, 80 deg. C.	QMFZ2	USR (E115797)	
Internal Plastic Part	SAMYANG CORPORATION	3500G-30	Min. 1.5 mm thickness, rated Min. V-0, 125 deg. C.	QMFZ2	USR (E121254)	
PWB	Various	Various	Min. V-1, 105 deg. C.	ZPMV2	USR	
Connectors and Receptacles (Secondary circuits)	Various	Various	-	ECBT2 or RTRT2	USR	
Connectors and Receptacles (Secondary circuits) (alternate)	Various	Various	Copper alloy pins housed in bodies of plastic rated Min. V-2	QMFZ2	USR	
Fuse (F1)	LITTELFUSE INC	449 Series	125 V, 1.5 A	JDYX2	USR (E10480)	
Transformer(T8)	SHENZHEN GROUP-TEK ELECTRONICS TECHNOLOGY CO., LTD	EP23-001074A	Rated 130 deg.C	-	-	
Line Filter (T3)	SHENZHEN	EP07-001194A	Rated Min. 3.0 mH, Base: V-0	-	-	

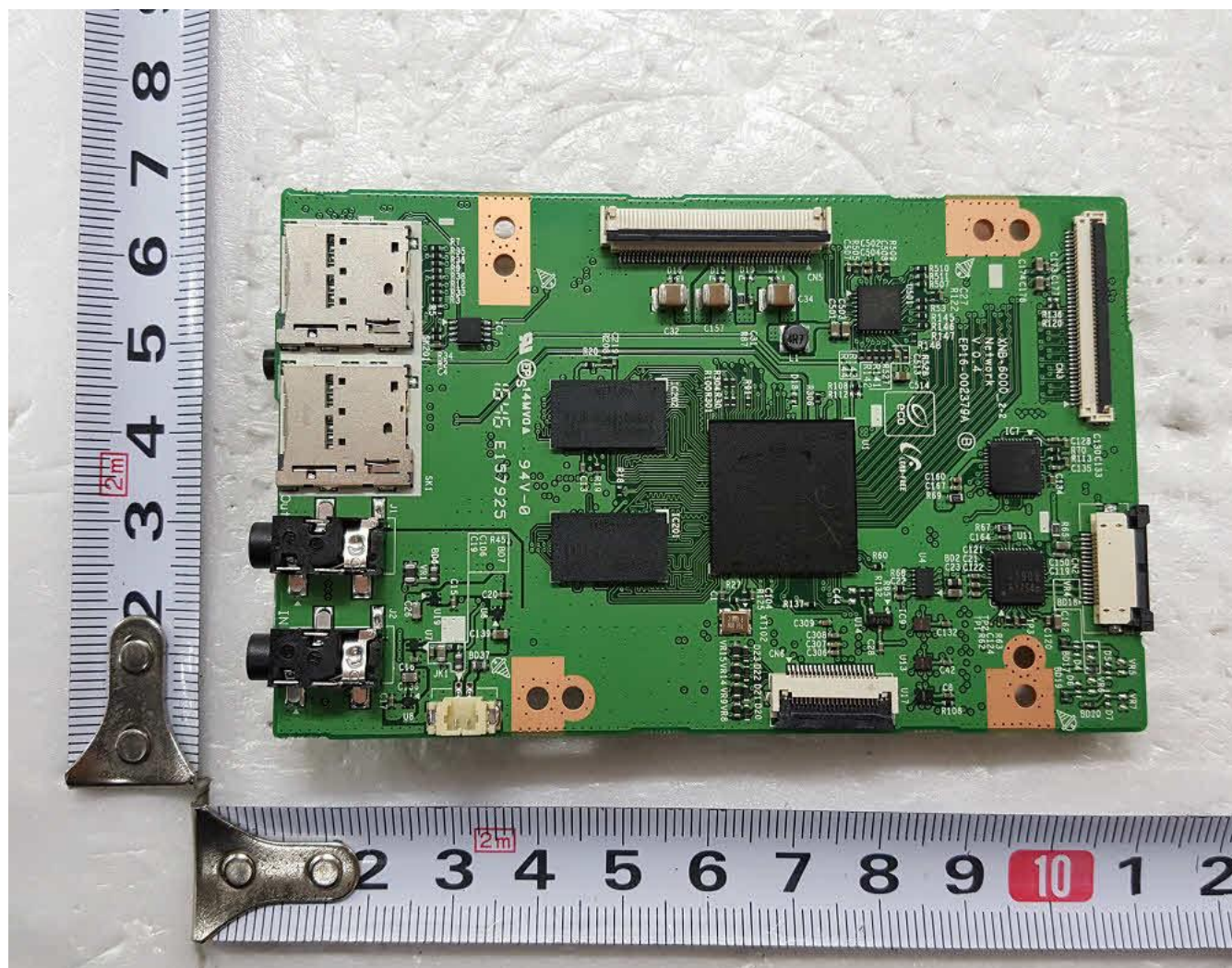
	GROUP-TEK ELECTRONICS TECHNOLOGY CO., LTD					
Line Filter (T7)	SHENZHEN GROUP-TEK ELECTRONICS TECHNOLOGY CO., LTD	EP07-001193A	Rated Min. 18.0 mH, Base: V-0	-	-	
Elec-capacitor (C6, C30)	Various	Various	Rated 50 V, 470 uF, 105 deg.C	-	-	
Optocoupler (LS1)	LITE-ON TECHNOLOGY CORP	LTV-816	Isolation Voltage: 5300. Max. Operation Temperature:110 deg. C	FPQU2	USR (E113898)	
Lithium Battery (BAT1)	SEIKO INSTRUMENTS INC MICRO-ENERGY DIV	ML414H	Lithium (Coin), Rechargeable, Max Charging voltage: 3.4 Vdc, Max Charging current: 300 mA	BBCV2	USR (MH15628)	
Internal Wiring (Secondary)	Various	Various	FEP, PTFE, PVC, TFE, neoprene, polyimide or marked VW-1; Min. 30 V, 80 deg. C	AVLV2	USR	
DN Motor (Stepping)	TOKYO MICRO INC.	8S-084L99	Stepping type, Rated Max. 5.5 V	-	-	
ABF Motor (Stepping)	NMB Mechatronics	SMC10-2007-A	Stepping type, Rated Max. 5.0 V	-	-	
Cable	Various	Various	FEP, PTFE, PVC, TFE, neoprene, polyimide or marked VW-1; Min. 30 V, 80 deg. C	AVLV2	USR	
FPWB	Various	Various	Min. V-0, 80 deg. C.	QMFZ2 or QMTS2	USR	

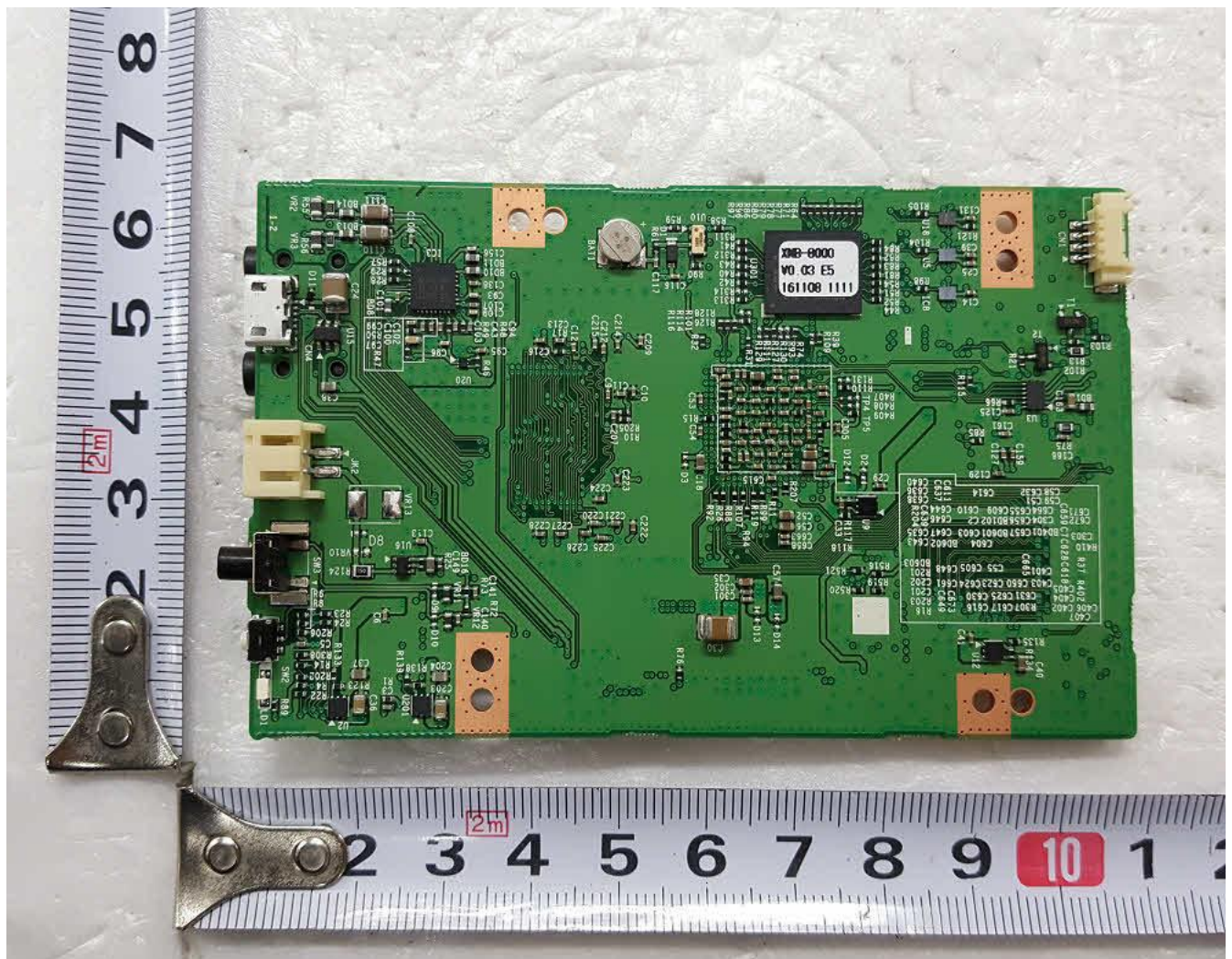
Enclosures

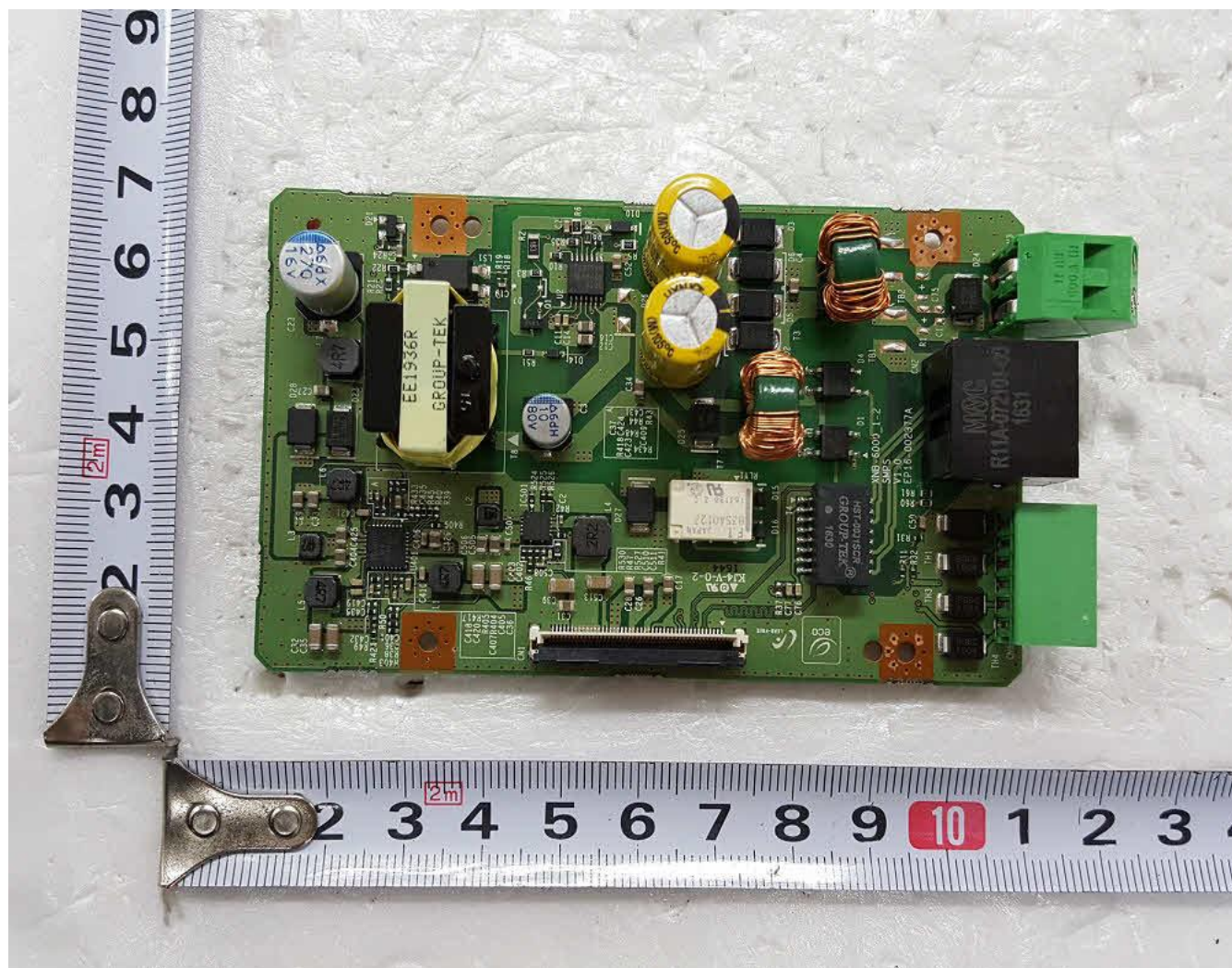
<u>Type</u>	<u>Supplement Id</u>	<u>Description</u>
Photographs	3-01	Overall View
Photographs	3-02	Internal View
Photographs	3-03	Network board Top View
Photographs	3-04	Network board Bottom View
Photographs	3-05	Power board Top View
Photographs	3-06	Power board Bottom View
Photographs	3-07	Camera Module View
Manuals	6-01	Safety Manual
Miscellaneous	7-01	Transformer T8 specification
Miscellaneous	7-02	Label
Miscellaneous	7-03	Battery Circuit diagram

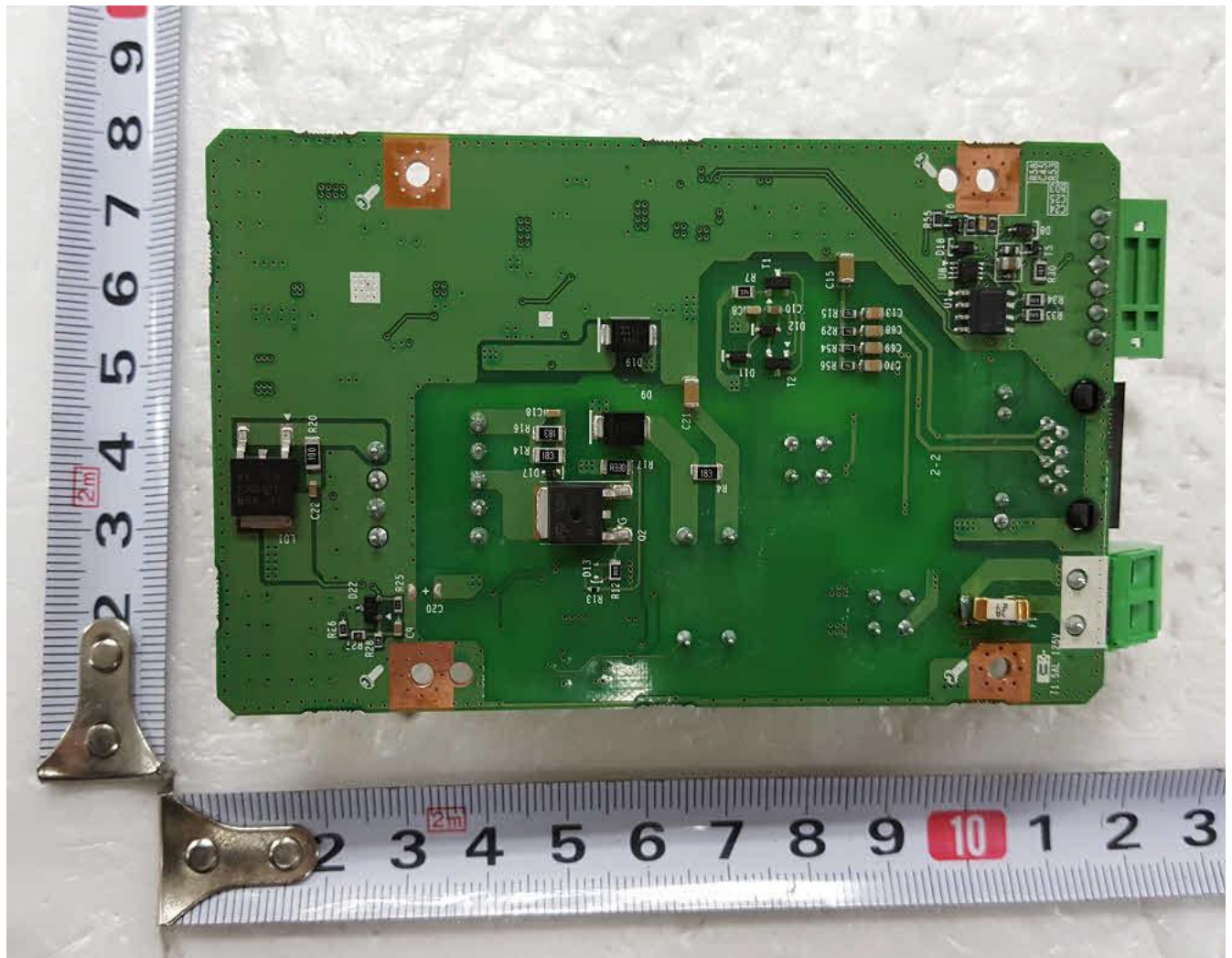


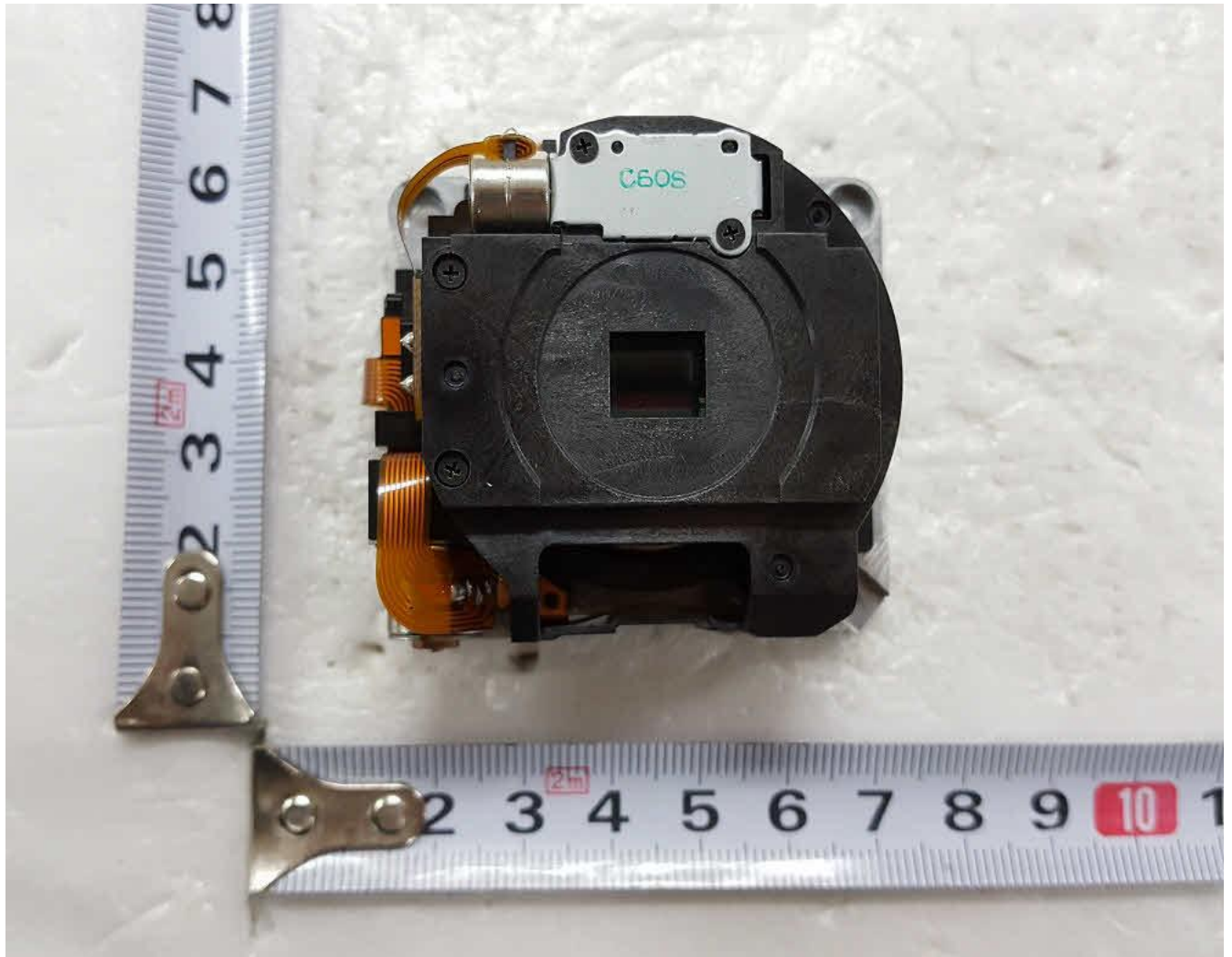












WISeNeT

NETWORK CAMERA

User Manual

XNB-6000/XNB-8000

CE

Network Camera User Manual

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Trademark

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Disclaimer

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❖ Design and specifications are subject to change without prior notice.

❖ The initial administrator ID is "admin" and the password should be set when logging in for the first time.

Please change your password every three months to safely protect personal information and to prevent the damage of the information theft.

Please, take note that it's a user's responsibility for the security and any other problems caused by mismanaging a password.

overview

IMPORTANT SAFETY INSTRUCTIONS

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean the contaminated area on the product surface with a soft, dry cloth or a damp cloth.
(Do not use a detergent or cosmetic products that contain alcohol, solvents or surfactants or oil constituents as they may deform or cause damage to the product.)
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/ accessories specified by the manufacturer.
12. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/ apparatus combination to avoid injury from tip-over.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
15. This product is intended to be supplied by a Listed Power Supply Unit marked "Class 2" or "LPS" and rated from 24 Vac (50/60 Hz) min. 0.64 A or 12 Vdc, min. 0.61 A.
16. If you use excessive force when installing the product, the camera may be damaged and malfunction. If you forcibly install the product using non-compliant tools, the product may be damaged.
17. Do not install the product in a place where chemical substances or oil mist exists or may be generated. As edible oils such as soybean oil may damage or warp the product, do not install the product in the kitchen or near the kitchen table.
This may cause damage to the product.
18. When installing the product, be careful not to allow the surface of the product to be stained with chemical substance.
Some chemical solvents such as cleaner or adhesives may cause serious damage to the product's surface.
19. If you install/disassemble the product in a manner that has not been recommended, the production functions/ performance may not be guaranteed.
Install the product by referring to "Installation & connection" in the user manual.
20. Installing or using the product in water can cause serious damage to the product.



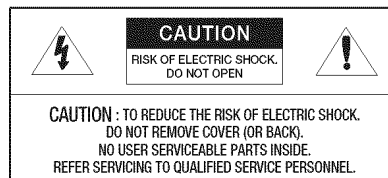
WARNING

TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK, DO NOT EXPOSE THIS PRODUCT TO RAIN OR MOISTURE. DO NOT INSERT ANY METALLIC OBJECT THROUGH THE VENTILATION GRILLS OR OTHER OPENINGS ON THE EQUIPMENT.

Apparatus shall not be exposed to dripping or splashing and that no objects filled with liquids, such as vases, shall be placed on the apparatus.

To prevent injury, this apparatus must be securely attached to the Wall/ceiling in accordance with the installation instructions.

CAUTION



EXPLANATION OF GRAPHICAL SYMBOLS



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.

overview

Class I construction

An apparatus with CLASS I construction shall be connected to a MAINS socket outlet with a protective earthing connection.

Battery

Batteries(battery pack or batteries installed) shall not be exposed to excessive heat such as sunshine, fire or the like.

Disconnection Device

Disconnect the main plug from the apparatus, if it's defected. And please call a repair man in your location.

When used outside of the U.S., it may be used HAR code with fittings of an approved agency is employed.

CAUTION

Risk of explosion if battery is replaced by an incorrect type.

Dispose of used batteries according to the instructions.

These servicing instructions are for use by qualified service personnel only.

To reduce the risk of electric shock do not perform any servicing other than that contained in the operating instructions unless you are qualified to do so.

The CVBS out terminal of the product is provided for easier installation, and is not recommended for monitoring purposes.

Please use the input power with just one camera and other devices must not be connected.

The ITE is to be connected only to PoE networks without routing to the outside plant.

Please read the following recommended safety precautions carefully.

- Do not place this apparatus on an uneven surface.
- Do not install on a surface where it is exposed to direct sunlight, near heating equipment or heavy cold area.
- Do not place this apparatus near conductive material.
- Do not attempt to service this apparatus yourself.
- Do not place a glass of water on the product.
- Do not install near any magnetic sources.
- Do not block any ventilation openings.
- Do not place heavy items on the product.
- Please wear protective gloves when installing/removing the camera.
The high temperature of the product surface may cause a burn.

User's Manual is a guidance book for how to use the products.

The meaning of the symbols are shown below.

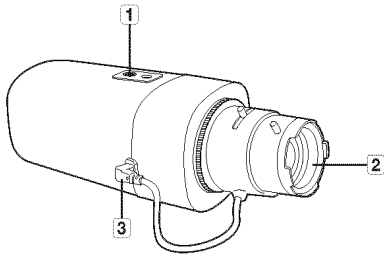
- Reference : In case of providing information for helping of product's usages
- Notice : If there's any possibility to occur any damages for the goods and human caused by not following the instruction

※ Please read this manual for the safety before using of goods and keep it in the safe place.

overview

AT A GLANCE

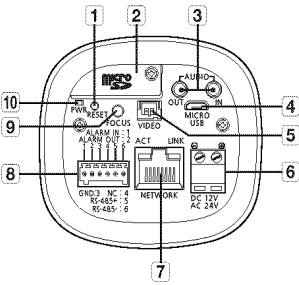
Front Side



Item	Description
1 Mounting Bracket Screw Hole	Used to fix the camera on a mounting bracket. * The screw size : It is the specification for the screws used to fasten the camera to the support. 1/4" -20 UNC L: 4.5mm±0.2mm (ISO Standard), or 0.197" (ASA Standard)
2 Auto Iris Lens (Optional)	Installed on the lens adaptor.
3 Auto Iris Lens Connector	Used to supply power and output signal to control the iris of the lens.

* Mounting Bracket is not included.
For more information to use mounting bracket, refer to the product's documentation.

Rear Side



Item	Description
1 Reset Button	The button restores all camera settings to the factory default. Press and hold for about 5 seconds to reboot the system. If you reset the camera, the network settings will be adjusted so that DHCP can be enabled. If there is no DHCP server in the network, you must run the IP Installer program to change the basic network settings such as IP address, Subnet mask, Gateway, etc., before you can connect to the network.
2 Micro SD Memory Card Compartment	Compartment for the Micro SD memory card.
3 Audio terminal	AUDIO OUT Used to connect to speakers. AUDIO IN Used to connect to a microphone.
4 MICRO USB port	Port to connect the Wi-Fi dongle. You can check the installation video through the applications installed in the smartphone. Refer to "Connect to WIFI dongle" on page 12. * Wi-Fi dongle and OTG gender are sold separately.
5 Test Monitor Out	Output port for test monitoring the video output. Use the test monitor cable to connect to a mobile display and check the test video.
6 Power Port	Used to plug the power cable.
7 Network Port	Used to connect the PoE or Ethernet cable for network connection.

Item	Description	
8 Alarm I/O Port	ALARM IN	Used to connect the alarm input sensor or external day/night sensor.
	ALARM OUT	Used to connect the alarm output signal.
	GND	Used for earth-grounding.
	RS-485+	RS-485 Data line
	RS-485-	RS-485 Data line
9 Focus Adjustment Button	The button adjusts the focus of image automatically.	
10 Power Indicators	ON : While the power is on OFF : If the power is off	

 RS-485 port only supports direct connection with pan/tilt driver and external connections of the RS-485 controller is not supported.

appendix

SPECIFICATION

Items		Description	
		XNB-6000	XNB-8000
Video	Imaging Device	1/2.8" 2M CMOS	1/1.8" 6M CMOS
	Total Pixels	1945(H) x 1109(V) 2.16M	3096(H) x 2094(V)
	Effective Pixels	1945(H) x 1097(V) 2.13M	2616(H) x 1976(V)
	Scanning System	Progressive Scan	
	Min. Illumination	Color : 0.01 lux(F1.2, 1/30sec) B/W : 0.001Lux(F1.2, 1/30sec)	Color : 0.9lux(F1.2, 1/30sec) B/W : 0.009Lux(F1.2, 1/30sec)
	S / N Ratio	50dB	
	Video Out	CVBS : 1.0 Vp-p / 75Ω composite, 720x480(N), 720x576(P), for installation USB : Micro USB type B, 1280x720 for installation	
Lens	Focus Control	Simple Focus / Manual, Remote control via network, Button control (Manual, Simple Focus)	
	Lens Type	Manual, DC Auto Iris, P-iris	
	Mount Type	C/CS	
Operational	Camera Title	Off / On (Displayed up to 85 characters) - W/W : English/Numeric/Special Characters - Common : Multi-line (Max 5), Color (Grey/Green/Red/Blue/Black/White), Transparency, Auto Scale by Resolution	
	Day & Night	Auto (ICR) / Color / B/W / External / Schedule	
	Backlight Compensation	Off / BLC / HLC(Masking/Dimming) / WDR	
	Wide Dynamic Range	150dB	120dB
	Contrast Enhancement	SSDR (Off / On)	
	Digital Noise Reduction	SSNRG (2D+3D Noise Filter) (Off / On)	
	Digital Image Stabilization	Off / On (Built-in Gyro sensor)	
	Defog	Auto(input from fog detection)/Manual/Off	
	Motion Detection	Off/ On(8ea, 8point Polygonal zones), Handover	
	Privacy Masking	Off / On (32ea. polygonal zones) - Color : Gray, Green, Red, Blue, Black, White - Mosaic	

Items	Description	
	XNB-6000	XNB-8000
Operational	Gain Control	Off / Low / Middle / High / Manual
	White Balance	ATW / AWC / Manual / Indoor / Outdoor (included Mercury & Sodium)
	Contrast	level adjustment
	LDC	On/Off (5 levels with Min/Max)
	Electronic Shutter Speed	Minimum / Maximum / Anti flicker (2 ~ 1/12,000sec)
	Digital PTZ	24X, Digital PTZ(Preset, Group)
	Flip / Mirror	Flip : On/Off Mirror : On/Off Hallway : 90°/270°
	Video & Audio Analytics	Tampering, Loitering, Directional Detection, Defocus Detection, Fog Detection, Virtual Line, Enter/Exit, Appear / Disappear, Audio Detection, Face Detection, Motion Detection, Digital Auto Tracking, Sound Classification
	Alarm I/O	Input 1ea / Output 1ea
	Remote Control Interface	RS-485
	RS-485 Protocol	Samsung-T/E, Pelco-D/P, Panasonic, Honeywell, AD, Vicon, GE, Bosch, Sungjin
	Alarm Triggers	Alarm Input, Motion Detection, Video & Audio Analytics, Network Disconnect
	Alarm events	- File upload via FTP, E-Mail - Notification via E-Mail - Local storage(SD/SDHC/SDXC) or NAS recording at Event (Alarm Triggers) - External output - DPTZ preset
	Audio In	Selectable (Mic IN/Line IN/Built-in mic) Max output level : 1Vrms Supply voltage: 2.5VDC(4mA), Input impedance: approx. 2K Ohm
	Audio out	Line out, Max output level: 1 Vrms
	Pixel Counter	Support

appendix

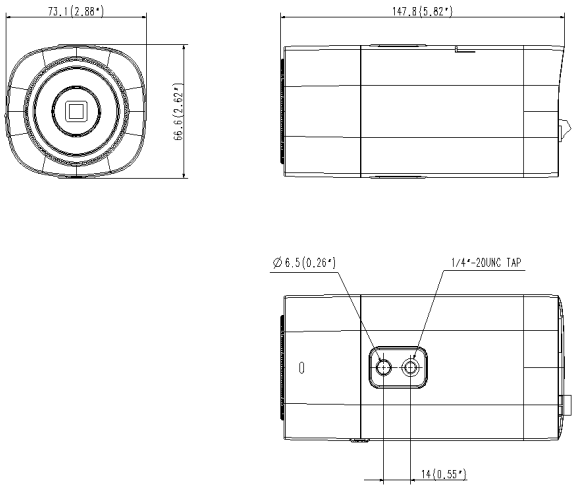
Items	Description	
	XNB-6000	XNB-8000
Network	Ethernet	RJ-45 (10/100BASE-T)
	Video Compression Format	H.265/H.264 (MPEG-4 Part 10/AVC) : Main/Baseline/High Motion JPEG
	Resolution	1920x1080 / 1280x1024 / 1280x960 / 1280x720 / 1024x768 / 800x600 / 800x448 / 720x576 / 720x480 / 640x480 / 640x360 / 320x240
	Max. Framerate	H.265/H.264 : Max. 60fps at all resolutions Motion JPEG : Max. 30fps
	Smart Codec	Manual mode/Area-based : 5ea)
	WiseStream II	Support
	Video Quality Adjustment	H.264/H.265 : Target Bitrate Level Control MJPEG : Target Bitrate Level Control
	Bitrate Control Method	H.264/H.265 : CBR or VBR Motion JPEG : VBR
	Streaming Capability	Multiple Streaming (Up to 10 Profiles)
	Audio Compression Format	G.711 μ-law / G.726 Selectable G.726 (ADPCM) 8KHz, G.711 8KHz G.726 : 16Kbps, 24Kbps, 32Kbps, 40Kbps AAC-LC : 48Kbps at 8/16/32/48KHz
	Audio Communication	Bi-directional (2-Way)
	IP	IPv4, IPv6
	Protocol	TCP/IP, UDP/IP, RTP(JUDP), RTP(TCP), RTCP, RTSP, RTP, HTTP, HTTPS, SSL/TLS, DHCP, PPPoE, FTP, SMTP, ICMP, IGMP, SNMPv1/v2c/v3(MIB-2), ARP, DNS, DDNS, QoS, PIM-SM, UPnP, Bonjour

Items	Description	
	XNB-6000	XNB-8000
Network	Security	HTTPS(SSL) Login Authentication Digest Login Authentication IP Address Filtering User access Log 802.1x Authentication (EAP-TLS, EAP-LEAP)
	Streaming Method	Unicast / Multicast
	Max. User Access	20 users at Unicast Mode
	Edge Storage	SD/SDHC/SDXC 2slot (up to 512 GB) - Continuous recording(1'st slot to 2'nd slot) - Motion Images recorded in the SD/SDHC/SDXC memory card can be downloaded. NAS(Network Attached Storage) Local PC for Instant Recording
	Application Programming Interface	ONVIF Profile S/G SUNAPI(HTTP API) Open Platform
	Webpage Language	English, Korean, French, German, Spanish, Italian, Chinese, Russian, Japanese, Swedish, Portuguese, Czech, Polish, Turkish, Dutch, Hungarian, Greek
	Web Viewer	Supported OS : Windows 7 / 8.1 / 10, MAC OS X 10.10, 10.11, 10.12 Plug-in free web viewer Supported web browsers : Google Chrome 54, MS Edge 38, Mozilla Firefox 49(Window 64bit only) , Apple Safari 9 (Mac OS X only) Plug-in web viewer Supported web browsers : MS Explorer 11, Apple Safari 9 (Mac OS X only)
	Central Management Software	SmartViewer, SSM
	Operating Temperature / Humidity	-10°C ~ +55°C (14°F ~ +131°F) / Less than 90% RH
	Storage Temperature / Humidity	-50°C ~ +60°C (-58°F ~ +140°F) / Less than 90% RH

Items		Description	
		XNB-6000	XNB-8000
Electrical	Input Voltage / Current	24VAC ± 10%, 12VDC ± 10%, PoE(IEEE802.3af)	
	Power Consumption	Max. 6.5W(12VDC), Max. 7.5W(PoE), Max. 8W(24VAC)	Max. 7.5W(12VDC), Max. 8.5W(PoE), Max. 8.5W(24VAC)
Mechanical	Color / Material	Black, Ivory / Plastic	
	Dimension (WxHxD)	W73.1 x H66.6 x D147.8mm (2.88" x 2.62" x 5.82")	
	Weight	420g (0.93lb)	

PRODUCT OVERVIEW

Unit : mm (inch)



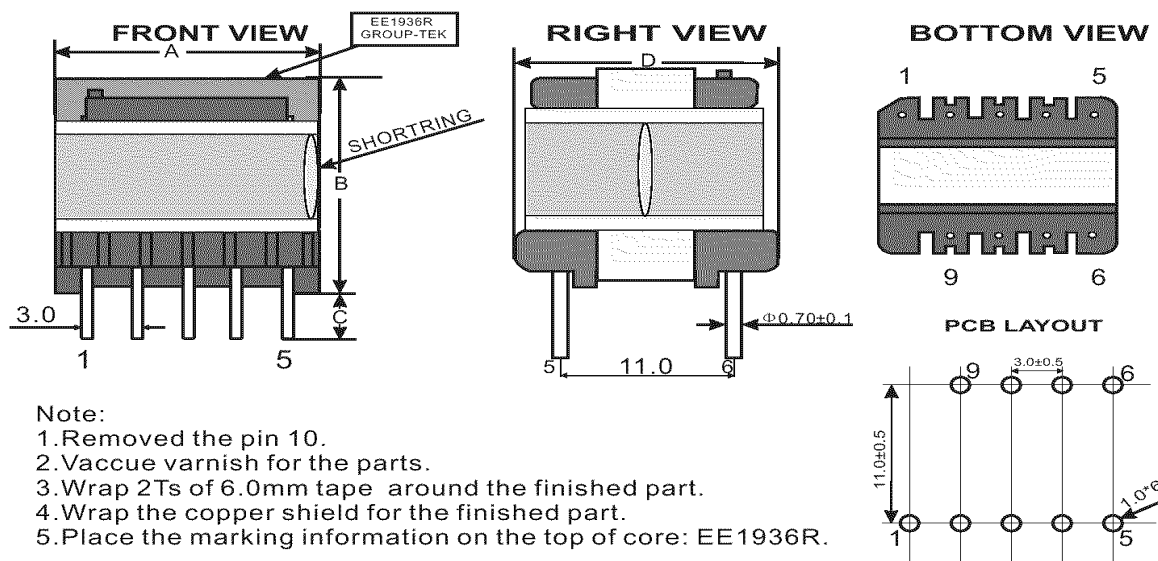
APPENDIX

GROUP-TEK[®]

A Leading Supplier of Magnetic Components

EE1936R

2. Mechanical Dimensions:



Note:

1. Removed the pin 10.
2. Vacuum varnish for the parts.
3. Wrap 2Ts of 6.0mm tape around the finished part.
4. Wrap the copper shield for the finished part.
5. Place the marking information on the top of core: EE1936R.

Unit: mm

A Max	B Max	C +/-0.5	D Max
20.5	20.0	3.5	16.5

3. Electrical Characteristics :

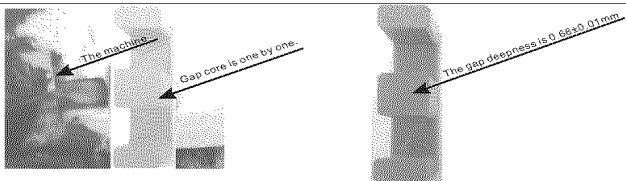
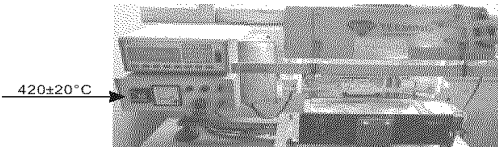
Specifications: at 25°C . Operating Temperature -40 to +125°C			
NO.	ITEM	TEST CONDITION	SPECIFICATION
1	Inductance	(1-3)@200kHz, 1.0Vac	160uH±7%.
2	Inductance	(4-5)@200kHz, 1.0Vac	76.5uH±15%.
3	Inductance	(7-9)@200kHz, 1.0Vac	60uH±15%.
4	Leakage Inductance	(1-3)@200kHz, 1.0Vac shorted other pins.	15uH Max.
5	DCR	(1-3) @ 25°C	0.265Ω Max.
6	DCR	(4-5) @ 25°C	0.970Ω Max.
7	DCR	(7-9) @ 25°C	0.096Ω Max.
8	HI-POT	PRI--SEC,AUX	1000Vac,5mA,60SEC
9	HI-POT	PRI,SEC,AUX--CORE	1000Vac,5mA,60SEC
10	INSULATION RESISTANCE	PRI--SEC DC500V	100MΩ Min.
11		PRI--CORE DC500V	100MΩ Min.
12		SEC--CORE DC500V	100MΩ Min.

GROUP-TEK[®]

A Leading Supplier of Magnetic Components

EE1936R

4.Overhauling List.

NO.	ITEM	SPECIFICATION
1	Tape turns	2T
2	Shield copper	0.025mm*7mm
3	Winding turns	N1:50T N2:30T N3:50T N4:32T
4	Pins order/Pin connection .	1T
5	Marking Information	EE1936R GROUP-TEK
6	Gap the center leg	
7	Solder Temperature	

GROUP-TEK[®]

A Leading Supplier of Magnetic Components

EE1936R

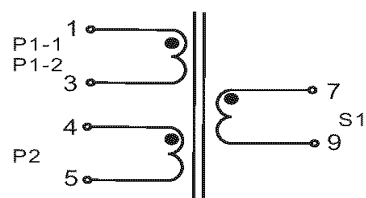
4. Winding Information:

WINDING SEQ.	ST-FN	WIRE/FOIL	TURNS	TURNS/LAYER (REF)	WRAP INSUL.	SLEEVE	NOTE
P1-1	1--3	0.30mm 2UEW	50	50	2T w9.3mm	N/A	1,2.
S1	7--9	3*0.32mm 2UEW	30	30	2T w9.3mm	N/A	1,2.
P1-2	1--3	0.30mm 2UEW	50	50	2T w9.3mm	N/A	1,2.
P2	4--5	0.20mm 2UEW	32	32	3T w9.3mm	N/A	1,2.

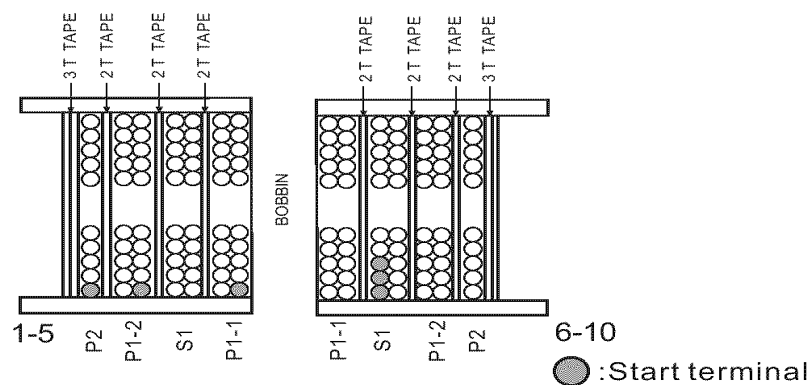
Note:

1. Place the bobbin pins left side of operator.
2. Clockwise and close winding.

5. Schematic:



6. Winding construction



GROUP-TEK[®]

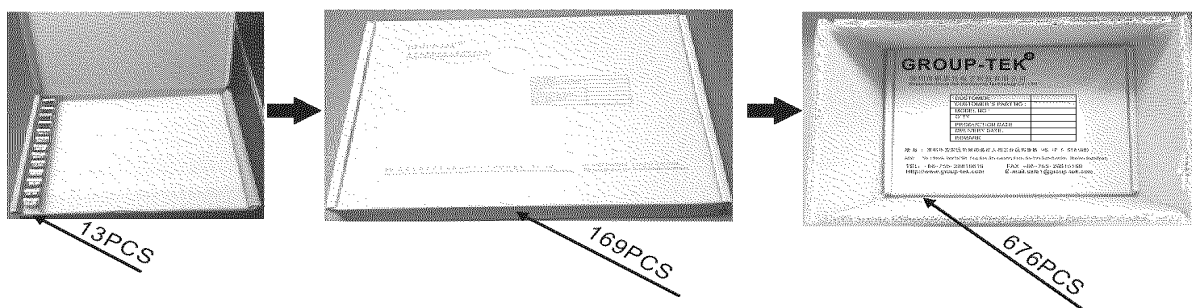
A Leading Supplier of Magnetic Components

EE1936R**7. Material List**

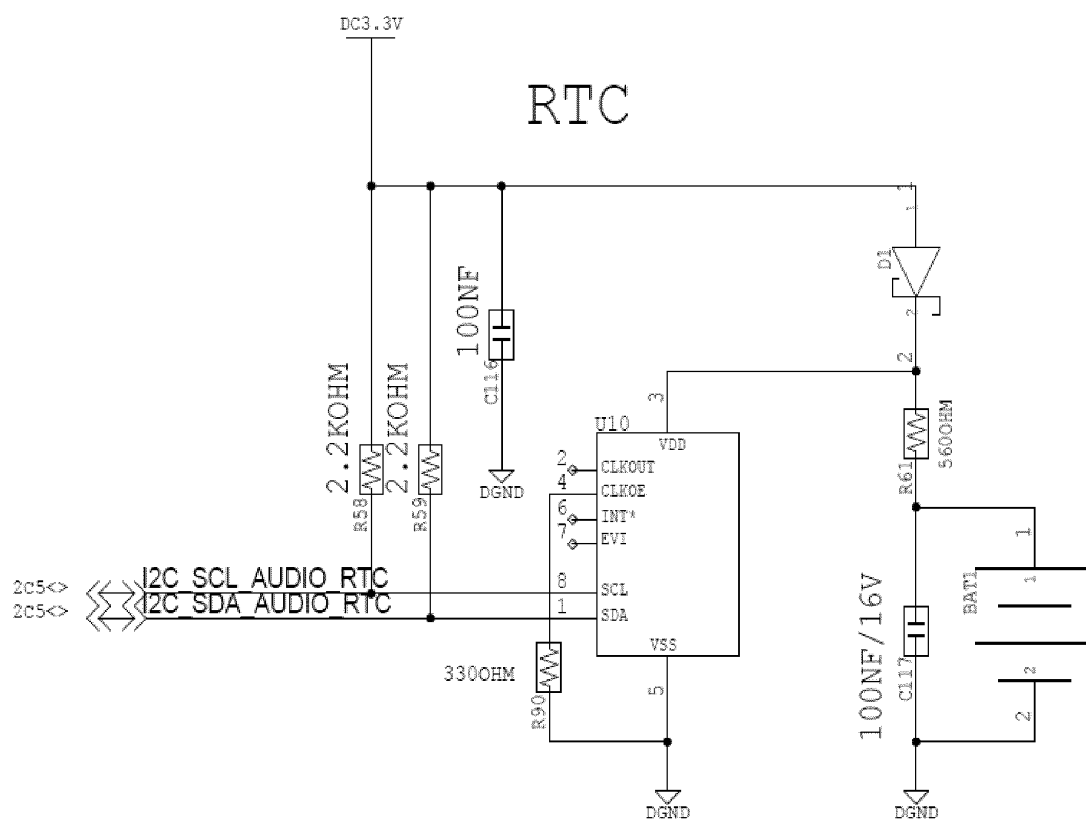
NO.	ITEM.	MATERIALS	SUPPLIERS/MANUFACTURES	UL FILE NO.
1	BOBBIN	PHENOLIC T375J UL RATING: 94V-0	ZHEN HUI PRECISION PLASTIC & HARDWARE (SHEN ZHEN) CO LTD.	E331681
2	CORE	EE 19 PG 232	High-tech Electronics Co.,Ltd	N/A
3	WIRE	POLYURETHANE ENAMELED TYPE NO.: 2UEW THERMAL RATING: 180°C	ZHU HAI SUNTEK WIRE COLTD	OBMW2.E234867
4	TAPE	ADHESIVE POLYESTER TAPE TYPE NO.: W-001 THERMAL RATING: 130°C	Shen zhen XinHuaHui Packing material Co.,Ltd	E328315
5	SOLDER	SN/CU: 99.3/0.7	Gao Xin stannum industry Co.,Ltd	N/A
6	Varnish	HF 1053	Shen Zhen Eastlight Chemi Cals Co.,Ltd	OBOR2.E335404

8. Packing Information:

DESCRIPTION	QTY
PIECES PER CELL	1
PIECES PER TRAY	169
PIECES PER BOX	676
GROSS WEIGHT PER BOX(KG)	7.85
NET WEIGHT PER BOX(KG)	9.25



W/W XNB-6000N/XX * "CAN ICES-3(A)/NMB-3(A)" need to be added only N/EX	 PT03-002454B	 PT03-002454B
W/W XNB-6000P/XX	 PT03 002454B	 PT03 002454B
W/W XNB-8000N/XX * "CAN ICES-3(A)/NMB-3(A)" need to be added only N/EX	 PT03 002454B	 PT03 002454B
W/W XNB-8000P/XX	 PT03-002454B	 PT03-002454B



Test Record

Test Record No. 1

Test results relate only to the items tested.

The manufacturer submitted the representative sample of Network Camera, Model XNB-8000N.

The following tests were conducted:

Test	Testing Location/Comments
End Product Reference Page	
General Guidelines	
Input: Single-Phase (1.6.2)	
SELV Reliability Test Including Hazardous Voltage Measurements (2.2.2, 2.2.3, 2.2.4, Part 22 6.1)	
Determination of Working Voltage; Working Voltage Measurement (2.10.2)	
Loading - Wall and Ceiling Mounted Equipment (4.2.10)	
Battery (4.3.8)	
Heating (4.5.1, 1.4.12, 1.4.13)	
Component Failure (5.3.1, 5.3.4, 5.3.7)	
Transformer Abnormal Operation (5.3.3, 5.3.7b, Annex C.1)	

Test results are valid only for the tested equipment. These tests are considered representative of the products covered by this Test Report. The test methods and results of the above tests have been reviewed and found to be in accordance with the requirements in the Standard(s) referenced at the beginning of this Test Report.

The following supplements are provided as a part of this Test Record. NOTE: These supplements are only available to the Applicant via the CDA system.

Type	Supplement Id	Description
Datasheet	2-01	Datasheet