

CERTIFICATE OF COMPLIANCE

Certificate Number 20170922-E193929
Report Reference E193929-20170816
Issue Date 2017-SEPTEMBER-22

Issued to: PANASONIC CORPORATION, PANASONIC CORPORATION OF NORTH AMERICA
Product Safety & Compliance Dept
Two Riverfront Plaza
9th Fl, Newark NJ 07102-5490

This is to certify that representative samples of AUDIO/VIDEO APPARATUS
Network Disk Recorder – Models: WJ-NX200K , WJ-NX300K

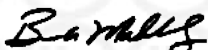
Have been investigated by UL in accordance with the Standard(s) indicated on this Certificate.

Standard(s) for Safety: UL 60065 and CAN/CSA C22.2 No. 60065:2016 - Audio, video and similar electronic apparatus - Safety 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 60065, 8th Edition, 2013-07-24 (Audio, video and similar electronic apparatus - Safety requirements)
Certification Type:	CAN/CSA C22.2 No. 60065:2016 Listing
CCN:	AZSQ, AZSQ7 (Audio/Video Apparatus)
Product:	Network Disk Recorder
Model:	WJ-NX200K , WJ-NX300K
Rating:	WJ-NX200K 120 Vac, 60 Hz, 56 W WJ-NX300K 120 Vac, 60 Hz, 72 W
Applicant Name and Address:	Panasonic Corporation of North America Product Safety & Compliance Dept Two Riverfront Plaza 9th Fl Newark NJ 07102-5490 United States

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.

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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

The apparatus under test is a Network Disk Recorder.

The equipment is not intended for use in and has not been evaluated for use in burglary and theft applications.

The equipment was tested with two hard disk drives.

Model WJ-NX300K was tested with four hard disk drives.

Model Differences

Model WJ-NX300K is identical to the base model WJ-NX200K except for the minor changes in power supply, and number of Disk Drives.

Technical Considerations

- Classification of installation and use : Commercial, Rack-mounted or Stationary
- Supply connection : Appliance inlet
- Equipment class : Class I

Additional Information




- The internal power supply was previously investigated under file E193929-A75 (Issued on 2010-09-09).

Additional Standard: the product was investigated to the following additional standards:

- CAN/CSA C22.2 No. 60065:2016

Markings and instructions

Clause Title	Marking or Instruction Details
Company identification	Listee's or Recognized company's name, Trade name, Trademark or File number
Model	Model number

Electrical rating	Voltage range, ac/dc symbol, phases if more than single phase, frequency, amperage or wattage.
Date of Manufacture	Month and year, as follows: Example of code "PKVxxxx". Details of Code: First letter = year (A=2001, B=2002...K=2016.....Y=2025) P=2016. Second letter = Month (A=January, B= February...H= August.....L=December) K=November. Third letter=Factory code.
Shock Hazard	
Shock Hazard Graphical Symbol	 (IEC 60417-6042)
Protective earth	 (IEC 60417-5019)
Explanation of Safety-Related Symbols	Refer to Enclosure – Miscellaneous, supplement titled Explanation of Safety-Related Symbols
Important Safety Instructions	Refer to Enclosure – Manuals for details
Outdoor Use	"WARNING: To Reduce The Risk Of Fire Or Electric Shock, Do Not Expose This Apparatus To Rain Or Moisture" or equivalent.
Outdoor use (cUL)	The 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.
Class I Protective Earthing Connection	Warning statement indicating that Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection. (Instruction)
Disconnect Device – Mains Plug or Appliance Coupler	Statement indicating that when the mains plug or appliance coupler shall remain readily operable. (Instruction)
Service Instruction Manual	"CAUTION - 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." or equivalent.
Fuse ratings	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				
<u>Dielectric Strength</u>				
Model(s)	From	To	Voltage, V	Duration, s
All	Primary	Jack shells	800	1
<u>Earth Resistance</u>				
Model(s)	Accessible Conductive Part		Location	
All	Connector shells		Rear	
<u>Polarization Verification (Visual Examination)</u>				
Model(s)	Grounded supply conductor connected to		Ungrounded supply conductor connected to	

All	Chasis	-
Production-Line Testing Exemptions		
<u>Dielectric Strength Test</u> - This test is not required for the following models:		
-		
<u>Dielectric Strength Test Component</u> - The following solid state component(s) may be disconnected from the remainder of the circuitry during the performance of this Test:		
-		
<u>Earth Resistance Test</u> - This test is not required for the following models:		
-		
<u>Polarization Verification Test</u> - This test is not required for the following models:		
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