

# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-2128096-1  
**Report Reference** E140407-A6037-UL  
**Date** 27-Jul-2021

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

**This is to certify that representative samples of** AZOT - Audio/Video, Information and Communication Technology Equipment  
See Addendum Page for Product Designation(s).

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

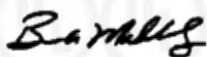
**Standard(s) for Safety:** UL 62368-1, 3rd Ed., Issue Date: 2019-12-13

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

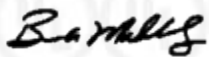


# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-US-2128096-1  
**Report Reference** E140407-A6037-UL  
**Date** 27-Jul-2021

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

<b>Model</b>	<b>Category Description</b>
WV-S1536L	Network Camera
WV-S1536LN	Network Camera
WV-S1536LTN	Network Camera



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-2123186-1  
**Report Reference** E140407-A6037-UL  
**Date** 27-Jul-2021

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

**This is to certify that representative samples of** AZOT7 - Audio/Video, Information and Communication Technology Equipment Certified for Canada  
See Addendum Page for Product Designation(s).

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

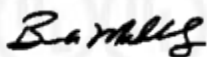
**Standard(s) for Safety:** CSA C22.2 NO. 62368-1, 3rd Ed., Issue Date: 2019-12-13

**Additional Information:** See the UL Online Certifications Directory at <https://iq.ulprospector.com> for additional information

This Certificate of Compliance does not provide authorization to apply the UL Mark. Only the UL Follow-Up Services Procedure provides authorization to apply the UL Mark.

Only those products bearing the UL Mark should be considered as being UL Certified and covered under UL's Follow-Up Services.

Look for the UL Certification Mark on the product.



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>

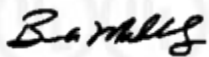


# CERTIFICATE OF COMPLIANCE

**Certificate Number** UL-CA-2123186-1  
**Report Reference** E140407-A6037-UL  
**Date** 27-Jul-2021

This is to certify that representative samples of the product as specified on this certificate were tested according to the current UL requirements

<b>Model</b>	<b>Category Description</b>
WV-S1536L	Network Camera
WV-S1536LN	Network Camera
WV-S1536LTN	Network Camera



Bruce Mahrenholz, Director North American Certification Program

UL LLC

Any information and documentation involving UL Mark services are provided on behalf of UL LLC (UL) or any authorized licensee of UL. For questions, please contact a local UL Customer Service Representative at <http://ul.com/aboutul/locations/>



## UL TEST REPORT AND PROCEDURE

<b>Standard:</b>	UL 62368-1, 3rd Ed, Issued: 2019-12-13 (Audio/video, information and communication technology equipment Part 1: Safety requirements) CAN/CSA C22.2 No. 62368-1:19, 3rd Ed, Issued: 2019-12-13 (Audio/video, information and communication technology equipment Part 1: Safety requirements)
<b>Certification Type:</b>	Listing
<b>CCN:</b>	AZOT, AZOT7 (Audio/video, Information and Communication Technology Equipment)
<b>Complementary CCN:</b>	N/A
<b>Product:</b>	Network Camera
<b>Model:</b>	WV-S1536LN, WV-S1536L, WV-S1536LTN
<b>Rating:</b>	WV-S1536LN, WV-S1536L: 12Vdc, 710mA, 48Vdc (PoE), 190mA (Class 0) WV-S1536LTN: 12Vdc, 900mA, 48Vdc (PoE), 220mA (Class 0)
<b>Applicant Name and Address:</b>	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.

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

UL authorizes the applicant to reproduce the latest pages of the referenced Test Report consisting of the first page of the Specific Technical Criteria through to the end of the Conditions of Acceptability.

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

Prepared By: Yusuke Enokimura / Project  
Handler

Reviewed By: Takaya Ishisue / Reviewer



### 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

This product is a Network Camera for use in an outdoor environment.

This equipment is supplied from the External Power Supply.

External Power Supply : The External Power Supply itself is not evaluated in this report.

### Model Differences

Model WV-S1536LN is basic model.

Model WV-S1536L is similar to Model WV-S1536LN except for model designation and not provided Clear Sight coating on Front Panel.

Model WV-S1536LTN is similar to Model WV-S1536LN except for model designation, rating and Lens Unit.

### Test Item Particulars

Product group	end product
Classification of use by	Instructed person Skilled person
Supply Connection	not mains connected: ES1
Supply tolerance	None
Supply connection – type	External Power Supply
Considered current rating of protective device	N/A
Equipment mobility	stationary wall/ceiling-mounted
Over voltage category (OVC)	OVC II
Class of equipment	Class III
Special installation location	Outdoor location
Pollution degree (PD)	PD 2
Manufacturer's specified T <sub>ma</sub> (°C)	50 °C (For using IR-LED mode) or 60 °C (For not using IR-LED mode)
IP protection class	IP 66
Power systems	not AC mains
Altitude during operation (m)	2000 m or less
Altitude of test laboratory (m)	2000 m or less

Mass of equipment (kg)	2.3												
<b>Technical Considerations</b> <ul style="list-style-type: none"> <li><input type="checkbox"/> The product was submitted and evaluated for use at the maximum ambient temperature (Tma) permitted by the manufacturer's specification of : 50 °C (For using IR-LED mode) or 60 °C (For not using IR-LED mode)</li> <li><input type="checkbox"/> The following are available from the Applicant upon request : Installation (Safety) Instructions / Manual</li> <li><input type="checkbox"/> The LED emission were determined to be Risk Group Exempt per IEC 62471:2006.</li> </ul>													
<b>Additional Information</b> PoE circuit was evaluated as ES1/PS2 circuit, because this product is connected only to PoE networks without routing to the outside plant and suitable instruction is provided in the user manual.													
<b>Additional Standards</b> The product fulfills the requirements of:													
<b>Markings and Instructions</b> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 30%;">Clause Title</th> <th>Marking or Instruction Details</th> </tr> </thead> <tbody> <tr> <td>Equipment identification marking – Manufacturer identification</td> <td>Listee's or Recognized Company's name, Trade Name, Trademark or File Number</td> </tr> <tr> <td>Equipment identification marking – model identification</td> <td>Model Number</td> </tr> <tr> <td>Equipment rating marking – ratings</td> <td>Input Ratings (voltage, frequency/dc, current/power) Output Ratings (voltage, frequency/dc, current/power)</td> </tr> <tr> <td>Equipment for use in location where children are not likely to be present</td> <td>"This product is not suitable for use in locations where children are likely to be present" (Instruction)</td> </tr> <tr> <td>Safety instructions</td> <td>The following cautionary statement provided in the user manual. "The network camera is only intended for a connection to an ethernet or PoE network without routing to the outside plant."</td> </tr> </tbody> </table>		Clause Title	Marking or Instruction Details	Equipment identification marking – Manufacturer identification	Listee's or Recognized Company's name, Trade Name, Trademark or File Number	Equipment identification marking – model identification	Model Number	Equipment rating marking – ratings	Input Ratings (voltage, frequency/dc, current/power) Output Ratings (voltage, frequency/dc, current/power)	Equipment for use in location where children are not likely to be present	"This product is not suitable for use in locations where children are likely to be present" (Instruction)	Safety instructions	The following cautionary statement provided in the user manual. "The network camera is only intended for a connection to an ethernet or PoE network without routing to the outside plant."
Clause Title	Marking or Instruction Details												
Equipment identification marking – Manufacturer identification	Listee's or Recognized Company's name, Trade Name, Trademark or File Number												
Equipment identification marking – model identification	Model Number												
Equipment rating marking – ratings	Input Ratings (voltage, frequency/dc, current/power) Output Ratings (voltage, frequency/dc, current/power)												
Equipment for use in location where children are not likely to be present	"This product is not suitable for use in locations where children are likely to be present" (Instruction)												
Safety instructions	The following cautionary statement provided in the user manual. "The network camera is only intended for a connection to an ethernet or PoE network without routing to the outside plant."												
<b>Special Instructions to UL Representative</b> N/A													

<b>BD1.0</b>	<b>TABLE: Production-Line Testing Requirements</b>					
<b>BD1.1</b>	<b>Electric Strength Test Special Constructions – Refer to Generic Inspection Instructions, Part AC for further information.</b>					
Model	Component	Removable parts	Test probe location	Test V rms	Test V dc	Test Time, s
N/A	--	--	--	--	--	--
<b>BD1.2</b>	<b>Earthing Continuity Test Exemptions – This test is not required for the following models:</b>					
	All Models					
<b>BD1.3</b>	<b>Electric Strength Test Exemptions – This test is not required for the following models:</b>					
	All Models					
<b>BD1.4</b>	<b>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.</b>					
	N/A					

<b>BE1.0</b>	<b>Sample and Test Specifics for Follow-Up Tests at UL</b>				
Model	Component	Material	Test	Sample (s)	Test Specifics
N/A	--	--	--	--	--