

TEST REPORT IEC 60950-1 Information technology equipment – Safety – Part 1: General requirements	
Report Number	160902119SHA-001
Date of issue	2017-03-03; Amendment 1: 2017-06-06
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CB Testing Laboratory	Intertek Testing Services Shanghai
Address	Building No. 86, 1198 Qinzhou Road (North), 200233 Shanghai, China
Applicant's name	Zhejiang Dahua Vision Technology Co., Ltd.
Address	No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China
Manufacturer's name	Zhejiang Dahua Vision Technology Co., Ltd.
Address	No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China
Test specification:	
Standard	EN 60950-1:2006+A11:2009+A1:2010+A12:2011+A2:2013
Test procedure	CE LVD
Non-standard test method	N/A
Test Report Form No	IEC60950_1E
Test Report Form(s) Originator	SGS Fimko Ltd
Master TRF	Dated 2013-07
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Test item description: IP CAMERA

Trade Mark:



Manufacturer.....: Same as applicant

Model/Type reference: DH-IPC-HDW5231RN-Z, DH-IPC-HDW5231RP-Z, IPC-HDW5231RN-Z, IPC-HDW5231RP-Z, DH-IPC-HDW5231RP-Z-S2, DH-IPC-HDW5431RN-Z, DH-IPC-HDW5431RP-Z, IPC-HDW5431RN-Z, IPC-HDW5431RP-Z, DH-IPC-HDW5431RP-Z-S2, DH-IPC-HDW5830RN-Z, DH-IPC-HDW5830RP-Z, IPC-HDW5830RN-Z, DH-IPC-HDW5830RP-Z-S2, DH-IPC-HDW5830RP, N58BH4Z, N58BH4ZI, IPC-HDW2231RP-ZS, IPC-HDW2231RN-ZS, DH-IPC-HDW2231RP-ZS, DH-IPC-HDW2231RN-ZS, IPC-HDW2231RP-ZS-S2, IPC-HDW2230RP-ZS, DH-IPC-HDW2230RP-ZS, DH-IPC-HDW2230RN-ZS, IPC-HDW2230RN-ZS, IPC-HDW2431RN-ZS, IPC-HDW2431RP-ZS, DH-IPC-HDW2431RP-ZS, DH-IPC-HDW2431RN-ZS, IPC-HDW2431RP-ZS-S2, **DH-IPC-HDW2531RP-ZS-27135, DH-IPC-HDW2531RN-ZS-27135, IPC-HDW2531RP-ZS-27135, IPC-HDW2531RN-ZS-27135, DH-IPC-HDW2531RP-ZS, DH-IPC-HDW2531RN-ZS, IPC-HDW2531RP-ZS, IPC-HDW2531RN-ZS**

Ratings: 12Vdc 1A,
POE: 48Vdc 200mA

Testing procedure and testing location:		
<input checked="" type="checkbox"/>	Testing Laboratory:	
Testing location/ address		Building No. 86, 1198 Qinzhou Road (North), 200233 Shanghai, China
<input type="checkbox"/>	Associated CB Testing Laboratory:	
Testing location/ address		
Tested by (name + signature)		Jacky Shu
Approved by (name + signature)		Valiant Sun
<input type="checkbox"/>	Testing procedure: TMP	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature)		
<input type="checkbox"/>	Testing procedure: WMT	
Testing location/ address		
Tested by (name + signature)		
Witnessed by (name + signature)		
Approved by (name + signature)		
<input type="checkbox"/>	Testing procedure: SMT	
Testing location/ address		
Tested by (name + signature)		
Approved by (name + signature)		
Supervised by (name + signature)...		

Test item particulars.....:	
Equipment mobility.....:	<input checked="" type="checkbox"/> movable <input type="checkbox"/> hand-held <input type="checkbox"/> transportable <input checked="" type="checkbox"/> stationary(Alt.) <input type="checkbox"/> for building-in <input type="checkbox"/> direct plug-in
Connection to the mains.....:	<input type="checkbox"/> pluggable equipment <input type="checkbox"/> type A <input type="checkbox"/> type B <input type="checkbox"/> permanent connection <input type="checkbox"/> detachable power supply cord <input type="checkbox"/> non-detachable power supply cord <input checked="" type="checkbox"/> not directly connected to the mains
Operating condition.....:	<input checked="" type="checkbox"/> continuous <input type="checkbox"/> rated operating / resting time:
Access location	<input checked="" type="checkbox"/> operator accessible <input type="checkbox"/> restricted access location
Over voltage category (OVC)	<input type="checkbox"/> OVC I <input type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input checked="" type="checkbox"/> other: not directly connected to the mains
Mains supply tolerance (%) or absolute mains supply values	N/A
Tested for IT power systems	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	<input type="checkbox"/> Class I <input type="checkbox"/> Class II <input checked="" type="checkbox"/> Class III <input type="checkbox"/> Not classified
Considered current rating of protective device as part of the building installation (A)	N/A
Pollution degree (PD)	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3
IP protection class	IPX0
Altitude during operation (m)	No more than 2000m
Altitude of test laboratory (m)	No more than 2000m
Mass of equipment (kg)	<1kg
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)
Testing.....:	
Date of receipt of test item.....	No sample required for this amendment
Date(s) of performance of tests	No sample required for this amendment

General remarks:

The test results presented in this report relate only to the object tested.
This report shall not be reproduced, except in full, without the written approval of the Issuing testing laboratory.
"(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.

Determination of the test result includes consideration of measurement uncertainty from the test equipment and methods.

Note: this report is not valid without using the original test report.

Manufacturer's Declaration per sub-clause 4.2.5 of IEC60950-1:

The application for obtaining a CB Test Certificate includes more than one factory location and a declaration from the Manufacturer stating that the sample(s) submitted for evaluation is (are) representative of the products from each factory has been provided.....: ☐ Yes ☒ Not applicable

When differences exist; they shall be identified in the General product information section.

Name and address of factory (ies) : Zhejiang Dahua Vision Technology Co., Ltd.
No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

General product information:

Report Summary

All applicable tests according to the referenced standard(s) have been carried out.

Product Description

This series analog camera adopts the high sensitivity and advanced circuit design. It is featuring the high quality video, the lowest distortion, low noise and etc. This series product is suitable to be used in surveillance system and video process system.

Model Differences

All models are identical in circuits and mechanical cases; Only different: pixel of sensor, which will not influence any safety testing requirements of the standard.

Technical Considerations

Power source(LPS): The EUT shall be powered by certified L.P.S adapter with output 12Vdc 1A.

The Max. ambient temperature will be 60°C.

Amendment 1:

The original test report ref. No. 160902119SHA-001, dated 2017-03-03 has amendment on 2017-06-06 to include the following changes:

1: Add eight new models DH-IPC-HDW2531RP-ZS-27135, DH-IPC-HDW2531RN-ZS-27135, IPC-HDW2531RP-ZS-27135, IPC-HDW2531RN-ZS-27135, DH-IPC-HDW2531RP-ZS, DH-IPC-HDW2531RN-ZS, IPC-HDW2531RP-ZS, IPC-HDW2531RN-ZS. They are same as original models except model name. After review, no additional tests were considered necessary.

Abbreviations used in the report:

- normal conditions	N.C.	- single fault conditions	S.F.C
- functional insulation	OP	- basic insulation	BI
- double insulation	DI	- supplementary insulation	SI
- between parts of opposite polarity	BOP	- reinforced insulation	RI

Indicate used abbreviations (if any)