



FCC Verification Test Report

According to

47 CFR, Part 2, Part 15, CISPR PUB. 22

ICES 003 Issue 6

Applicant : Zhejiang Dahua Vision Technology Co., Ltd.

Address : No.1199, Bin'an road, Binjiang District, Hangzhou,
P.R.China.

Equipment : IP CAMERA

Model No. : IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z,
DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z,
DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z,
IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2,
DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2,
DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2,
IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS,
IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS,
DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS,
DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS,
IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS,
IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS,
DH-IPC-HDBW2431RP-VFAS,
DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS,
DH-IPC-HDBW2431RN-ZAS,
IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z,
DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z,
DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z,
IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2,
DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2,
DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2,
IPC-HDBW2231RP-VFS, IPC-HDBW2231RN-VFS,
IPC-HDBW2231RP-ZS, IPC-HDBW2231RN-ZS,
DH-IPC-HDBW2231RP-VFS, DH-IPC-HDBW2231RN-VFS,
DH-IPC-HDBW2231RP-ZS, DH-IPC-HDBW2231RN-ZS,
IPC-HDBW2231RP-VFAS, IPC-HDBW2231RN-VFAS,
IPC-HDBW2231RP-ZAS, IPC-HDBW2231RN-ZAS,
DH-IPC-HDBW2231RP-VFAS,
DH-IPC-HDBW2231RN-VFAS, DH-IPC-HDBW2231RP-ZAS,



DH-IPC-HDBW2231RN-ZAS,
DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z,
IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z,
DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2,
IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2,
N58BM4Z, N58BM4ZI, IPC-HDBW2230RP-VFAS,
IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS,
IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS,
DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS,
DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS,
IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS,
IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS,
DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS,
DH-IPC-HDBW2230RN-ZS, IPC-HDBW2421RP-VFS,
IPC-HDBW2421RN-VFS, DH-IPC-HDBW2421RP-VFS,
DH-IPC-HDBW2421RN-VFS, DH-IPC-HDBW24A1RN-VFS,
IPC-HDBW2421RP-VFAS, IPC-HDBW2421RN-VFAS,
DH-IPC-HDBW2421RP-VFAS, DH-IPC-HDBW2421RN-VFAS,
DH-IPC-HDBW24A1RN-VFAS, IPC-HDBW2421RP-ZS,
IPC-HDBW2421RN-ZS, DH-IPC-HDBW2421RP-ZS,
DH-IPC-HDBW2421RN-ZS, DH-IPC-HDBW24A1RN-ZS,
IPC-HDBW2421RP-ZAS, IPC-HDBW2421RN-ZAS,
DH-IPC-HDBW2421RP-ZAS, DH-IPC-HDBW2421RN-ZAS,
DH-IPC-HDBW24A1RN-ZAS, IPC-HDBW2121RP-VFS,
IPC-HDBW2121RN-VFS, DH-IPC-HDBW2121RP-VFS,
DH-IPC-HDBW2121RN-VFS, DH-IPC-HDBW21A1RN-VFS,
IPC-HDBW2121RP-VFAS, IPC-HDBW2121RN-VFAS,
DH-IPC-HDBW2121RP-VFAS, DH-IPC-HDBW2121RN-VFAS,
DH-IPC-HDBW21A1RN-VFAS, IPC-HDBW2121RP-ZS,
IPC-HDBW2121RN-ZS, DH-IPC-HDBW2121RP-ZS,
DH-IPC-HDBW2121RN-ZS, DH-IPC-HDBW21A1RN-ZS,
IPC-HDBW2121RP-ZAS, IPC-HDBW2121RN-ZAS,
DH-IPC-HDBW2121RP-ZAS, DH-IPC-HDBW2121RN-ZAS,
DH-IPC-HDBW21A1RN-ZAS, IPC-HDBW2221RP-VFS,
IPC-HDBW2221RN-VFS, DH-IPC-HDBW2221RP-VFS,
DH-IPC-HDBW2221RN-VFS, DH-IPC-HDBW22A1RN-VFS,
IPC-HDBW2221RP-VFAS, IPC-HDBW2221RN-VFAS,
DH-IPC-HDBW2221RP-VFAS, DH-IPC-HDBW2221RN-VFAS,
DH-IPC-HDBW22A1RN-VFAS, IPC-HDBW2221RP-ZS,
IPC-HDBW2221RN-ZS, DH-IPC-HDBW2221RP-ZS,
DH-IPC-HDBW2221RN-ZS, DH-IPC-HDBW22A1RN-ZS,
IPC-HDBW2221RP-ZAS, IPC-HDBW2221RN-ZAS,
DH-IPC-HDBW2221RP-ZAS, DH-IPC-HDBW2221RN-ZAS,
DH-IPC-HDBW22A1RN-ZAS, IPC-HDBW2531RP-VFS,
IPC-HDBW2531RN-VFS, DH-IPC-HDBW2531RP-VFS,
DH-IPC-HDBW2531RN-VFS, IPC-HDBW2531RP-VFAS,
IPC-HDBW2531RN-VFAS, DH-IPC-HDBW2531RP-VFAS,
DH-IPC-HDBW2531RN-VFAS, IPC-HDBW2531RP-ZS,
IPC-HDBW2531RN-ZS, DH-IPC-HDBW2531RP-ZS,
DH-IPC-HDBW2531RN-ZS, IPC-HDBW2531RP-ZAS,
IPC-HDBW2531RN-ZAS, DH-IPC-HDBW2531RP-ZAS,
DH-IPC-HDBW2531RN-ZAS, IPC-HDBW5631RP-Z,
IPC-HDBW5631RN-Z, DH-IPC-HDBW5631RP-Z,



DH-IPC-HDBW5631RN-Z,IPC-HDBW5831RP-Z,
IPC-HDBW5831RN-Z,DH-IPC-HDBW5831RP-Z,
DH-IPC-HDBW5831RN-Z,DH-IPC-HDBW5231RN-ZE,
DH-IPC-HDBW5231RP-ZE,DH-IPC-HDBW5431RN-ZE,
DH-IPC-HDBW5431RP-ZE,DH-IPC-HDBW5631RN-ZE,
DH-IPC-HDBW5631RP-ZE,DH-IPC-HDBW5831RN-ZE,
DH-IPC-HDBW5831RP-ZE,IPC-HDBW5231RN-ZE,
IPC-HDBW5231RP-ZE,IPC-HDBW5431RN-ZE,
IPC-HDBW5431RP-ZE,IPC-HDBW5631RN-ZE,
IPC-HDBW5631RP-ZE,IPC-HDBW5831RN-ZE,
IPC-HDBW5831RP-ZE,N52BM3Z,DH-IPC-D2A21-Z

I HEREBY CERTIFY THAT :

The sample was received on Aug 04, 2016 and the testing was carried out on Sep.10, 2016 at CerpPASS Technology Corporation. The test result refers exclusively to the test presented test model / sample. Without written approval of CerpPASS Technology Corporation, the test report shall not be reproduced except in full.

Approved by:

Ray Chou
EMC/RF B.U. Assistant Manager



FCC TEST REPORT

Issued by:

Cerpass Technology Corporation

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The test record, data evaluation & Equipment. Under Test configurations represented herein are true and accurate accounts of the measurements of the samples EMC characteristics under the conditions specified in this report.

Laboratory Accreditation:

☐ Cerpass Technology Corporation Test Laboratory

TAF LAB Code:	1439
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☒ Cerpass Technology(SuZhou) Co., Ltd.

CNAS LAB Code:	L5515
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**History of this test report**☐ ORIGINAL.☒ Additional attachment as following record:

Report No	Version	Date	Description
SEFV1608022	Rev 01	Sep 14, 2016	Initial Issue
SEFV1608022-E	Rev 02	Dec 15, 2016	First edition: Add model names
SEFV1608022-H	Rev 03	May 08, 2017	Second edition: Add model names
SEFV1705038-I	Rev 04	Jun 28, 2017	Third Issue: Add model names
SEFV1706194-B	Rev 05	Sep 27, 2017	Fourth Issue(add model names)
SEFV1709151-B	Rev 06	Nov 08, 2017	Fifth Issue(add model names)



1. Summary of Test Procedure and Test Result

1.1. Applicable Standards

The measurements shown in this test report were made in accordance with the procedures given in ANSI C63.4 – 2014 and the energy emitted by this equipment was passed Part 2, Part 15, CISPR PUB. 22.

The energy emitted by this equipment was passed both Radiated and Conducted Emissions Class A limits.

Test Item	Normative References	Test Result	Remarks
Conducted Emission	ANSI C63.4-2014, FCC Part 15 Subpart B ICES 003 Issue 6	PASS	Meets Class A Limit Minimum passing margin(QP) is -32.00dB at 0.3379 MHz
Radiated Emission	ANSI C63.4-2014, FCC Part 15 Subpart B ICES 003 Issue 6	PASS	Meets Class A Limit Minimum passing margin(QP) is -8.73dB at 384.0500 MHz



2. Test Configuration of Equipment under Test

2.1. Feature of Equipment under Test

Fifth edition:

IP CAMERA	Model No.:	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS, DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS, IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS, DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS, DH-IPC-HDBW2431RN-ZAS, IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2231RP-VFS, IPC-HDBW2231RN-VFS, IPC-HDBW2231RP-ZS, IPC-HDBW2231RN-ZS, DH-IPC-HDBW2231RP-VFS, DH-IPC-HDBW2231RN-VFS, DH-IPC-HDBW2231RP-ZS, DH-IPC-HDBW2231RN-ZS, IPC-HDBW2231RP-VFAS, IPC-HDBW2231RN-VFAS, IPC-HDBW2231RP-ZAS, IPC-HDBW2231RN-ZAS, DH-IPC-HDBW2231RP-VFAS, DH-IPC-HDBW2231RN-VFAS, DH-IPC-HDBW2231RP-ZAS, DH-IPC-HDBW2231RN-ZAS, DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI, IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS,
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		DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS,IPC-HDBW2421RP-VFS, IPC-HDBW2421RN-VFS,DH-IPC-HDBW2421RP-VFS, DH-IPC-HDBW2421RN-VFS,DH-IPC-HDBW24A1RN-VFS, IPC-HDBW2421RP-VFAS,IPC-HDBW2421RN-VFAS, DH-IPC-HDBW2421RP-VFAS,DH-IPC-HDBW2421RN-VFAS, DH-IPC-HDBW24A1RN-VFAS,IPC-HDBW2421RP-ZS, IPC-HDBW2421RN-ZS,DH-IPC-HDBW2421RP-ZS, DH-IPC-HDBW2421RN-ZS,DH-IPC-HDBW24A1RN-ZS, IPC-HDBW2421RP-ZAS,IPC-HDBW2421RN-ZAS, DH-IPC-HDBW2421RP-ZAS,DH-IPC-HDBW2421RN-ZAS, DH-IPC-HDBW24A1RN-ZAS,IPC-HDBW2121RP-VFS, IPC-HDBW2121RN-VFS,DH-IPC-HDBW2121RP-VFS, DH-IPC-HDBW2121RN-VFS,DH-IPC-HDBW21A1RN-VFS, IPC-HDBW2121RP-VFAS,IPC-HDBW2121RN-VFAS, DH-IPC-HDBW2121RP-VFAS,DH-IPC-HDBW2121RN-VFAS, DH-IPC-HDBW21A1RN-VFAS,IPC-HDBW2121RP-ZS, IPC-HDBW2121RN-ZS,DH-IPC-HDBW2121RP-ZS, DH-IPC-HDBW2121RN-ZS,DH-IPC-HDBW21A1RN-ZS, IPC-HDBW2121RP-ZAS,IPC-HDBW2121RN-ZAS, DH-IPC-HDBW2121RP-ZAS,DH-IPC-HDBW2121RN-ZAS, DH-IPC-HDBW21A1RN-ZAS,IPC-HDBW2221RP-VFS, IPC-HDBW2221RN-VFS,DH-IPC-HDBW2221RP-VFS, DH-IPC-HDBW2221RN-VFS,DH-IPC-HDBW22A1RN-VFS, IPC-HDBW2221RP-VFAS,IPC-HDBW2221RN-VFAS, DH-IPC-HDBW2221RP-VFAS,DH-IPC-HDBW2221RN-VFAS, DH-IPC-HDBW22A1RN-VFAS,IPC-HDBW2221RP-ZS, IPC-HDBW2221RN-ZS,DH-IPC-HDBW2221RP-ZS, DH-IPC-HDBW2221RN-ZS,DH-IPC-HDBW22A1RN-ZS, IPC-HDBW2221RP-ZAS,IPC-HDBW2221RN-ZAS, DH-IPC-HDBW2221RP-ZAS,DH-IPC-HDBW2221RN-ZAS, DH-IPC-HDBW22A1RN-ZAS,IPC-HDBW2531RP-VFS, IPC-HDBW2531RN-VFS,DH-IPC-HDBW2531RP-VFS, DH-IPC-HDBW2531RN-VFS,IPC-HDBW2531RP-VFAS, IPC-HDBW2531RN-VFAS,DH-IPC-HDBW2531RP-VFAS, DH-IPC-HDBW2531RN-VFAS,IPC-HDBW2531RP-ZS, IPC-HDBW2531RN-ZS,DH-IPC-HDBW2531RP-ZS, DH-IPC-HDBW2531RN-ZS,IPC-HDBW2531RP-ZAS, IPC-HDBW2531RN-ZAS,DH-IPC-HDBW2531RP-ZAS, DH-IPC-HDBW2531RN-ZAS,IPC-HDBW5631RP-Z, IPC-HDBW5631RN-Z,DH-IPC-HDBW5631RP-Z, DH-IPC-HDBW5631RN-Z,IPC-HDBW5831RP-Z, IPC-HDBW5831RN-Z,DH-IPC-HDBW5831RP-Z, DH-IPC-HDBW5831RN-Z,DH-IPC-HDBW5231RN-ZE, DH-IPC-HDBW5231RP-ZE,DH-IPC-HDBW5431RN-ZE, DH-IPC-HDBW5431RP-ZE,DH-IPC-HDBW5631RN-ZE,
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		DH-IPC-HDBW5631RP-ZE, DH-IPC-HDBW5831RN-ZE, DH-IPC-HDBW5831RP-ZE, IPC-HDBW5231RN-ZE, IPC-HDBW5231RP-ZE, IPC-HDBW5431RN-ZE, IPC-HDBW5431RP-ZE, IPC-HDBW5631RN-ZE, IPC-HDBW5631RP-ZE, IPC-HDBW5831RN-ZE, IPC-HDBW5831RP-ZE, N52BM3Z, DH-IPC-D2A21-Z
Remark	DH-IPC-HDBW5431RP-Z& DH-IPC-HDBW5231RP-Z& DH-IPC-HDBW5830RP-Z& DH-IPC-HDBW2230RP-ZAS were selected as the test model and their data have been recorded in this report.	
Adapter	Model No.:	ADS-12B-12 12012Gz
	INPUT:	100-240V~ 50/60Hz, 0.3A max
	OUTPUT:	12V, 1.0A

Model differences

Main model	Model name	Difference
DH-IPC-HDBW5431RP-Z	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS,	Internal sensor board and sales area are different.

DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS,



	,DH-IPC-HDBW2421RN-VFAS,DH-IPC-HDBW24A1RN-VFAS,IPC-HDBW2421RP-ZS,IPC-HDBW2421RN-ZS,DH-IPC-HDBW2421RP-ZS,DH-IPC-HDBW2421RN-ZS,DH-IPC-HDBW24A1RN-ZS,IPC-HDBW2421RP-ZAS,IPC-HDBW2421RN-ZAS,DH-IPC-HDBW2421RP-ZAS,DH-IPC-HDBW2421RN-ZAS,DH-IPC-HDBW24A1RN-ZAS,DH-IPC-HDBW5231RN-ZE,DH-IPC-HDBW5231RP-ZE,DH-IPC-HDBW5431RN-ZE,DH-IPC-HDBW5431RP-ZE,DH-IPC-HDBW5631RN-ZE,DH-IPC-HDBW5631RP-ZE,DH-IPC-HDBW5831RN-ZE,DH-IPC-HDBW5831RP-ZE,IPC-HDBW5231RN-ZE,IPC-HDBW5231RP-ZE,IPC-HDBW5431RN-ZE,IPC-HDBW5431RP-ZE,IPC-HDBW5631RN-ZE,IPC-HDBW5631RP-ZE,IPC-HDBW5831RN-ZE,IPC-HDBW5831RP-ZE	
DH-IPC-HDBW5231RP-Z	IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2121RP-VFS,IPC-HDBW2121RN-VFS,DH-IPC-HDBW2121RP-VFS,DH-IPC-HDBW2121RN-VFS,DH-IPC-HDBW21A1RN-VFS,IPC-HDBW2121RP-VFAS,IPC-HDBW2121RN-VFAS,DH-IPC-HDBW2121RP-VFAS,DH-IPC-HDBW2121RN-VFAS,DH-IPC-HDBW21A1RN-VFAS,IPC-HDBW2121RP-ZS,IPC-HDBW2121RN-ZS,DH-IPC-HDBW2121RP-ZS,DH-IPC-HDBW2121RN-ZS,DH-IPC-HDBW21A1RN-ZS,IPC-HDBW2121RP-ZAS,IPC-HDBW2121RN-ZAS,DH-IPC-HDBW2121RP-ZAS,DH-IPC-HDBW2121RN-ZAS,DH-IPC-HDBW21A1RN-ZAS,IPC-HDBW2221RP-VFS,IPC-HDBW2221RN-VFS,DH-IPC-HDBW2221RP-VFS,DH-IPC-HDBW2221RN-VFS,DH-IPC-HDBW22A1RN-VFS,IPC-HDBW2221RP-VFAS,IPC-HDBW2221RN-VFAS,DH-IPC-HDBW2221RP-VFAS,DH-IPC-HDBW2221RN-VFAS,DH-IPC-HDBW22A1RN-VFAS,	



	IPC-HDBW2221RP-ZS,IPC-HDBW2221RN-ZS,DH-IPC-HDBW2221RP-ZS,DH-IPC-HDBW2221RN-ZS,DH-IPC-HDBW22A1RN-ZS,IPC-HDBW2221RP-ZAS,IPC-HDBW2221RN-ZAS,DH-IPC-HDBW2221RP-ZAS,DH-IPC-HDBW2221RN-ZAS,DH-IPC-HDBW22A1RN-ZAS	
DH-IPC-HDBW5830RP-Z	DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI	Main board is different.
DH-IPC-HDBW2230RP-ZAS	IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS	DSP frame are not the same, DSP main chip and sensor board are not the same.
IPC-HDBW2531RP-Z	IPC-HDBW2531RP-VFS,IPC-HDBW2531RN-VFS,DH-IPC-HDBW2531RP-VFS,DH-IPC-HDBW2531RN-VFS,IPC-HDBW2531RP-VFAS,IPC-HDBW2531RN-VFAS,DH-IPC-HDBW2531RP-VFAS,DH-IPC-HDBW2531RN-VFAS,IPC-HDBW2531RP-ZS,IPC-HDBW2531RN-ZS,DH-IPC-HDBW2531RP-ZS,DH-IPC-HDBW2531RN-ZS,IPC-HDBW2531RP-ZAS,IPC-HDBW2531RN-ZAS,DH-IPC-HDBW2531RP-ZAS,DH-IPC-HDBW2531RN-ZAS,IPC-HDBW5631RP-Z,IPC-HDBW5631RN-Z,DH-IPC-HDBW5631RP-Z,DH-IPC-HDBW5631RN-Z,IPC-HDBW5831RP-Z,IPC-HDBW5831RN-Z,DH-IPC-HDBW5831RP-Z,DH-IPC-HDBW5831RN-Z,	No difference from the old model IPC-HDBW5431RP-Z
N52BM3Z	N52BM3Z	No difference from the old model IPC-HDBW5431RP-Z
DH-IPC-D2A21-Z	DH-IPC-D2A21-Z	No difference from the old



		model IPC-HDBW543 1RP-Z
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Fourth edition:

IP CAMERA	Model No.:	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS, DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS, IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS, DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS, DH-IPC-HDBW2431RN-ZAS, IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2231RP-VFS, IPC-HDBW2231RN-VFS, IPC-HDBW2231RP-ZS, IPC-HDBW2231RN-ZS, DH-IPC-HDBW2231RP-VFS, DH-IPC-HDBW2231RN-VFS, DH-IPC-HDBW2231RP-ZS, DH-IPC-HDBW2231RN-ZS, IPC-HDBW2231RP-VFAS, IPC-HDBW2231RN-VFAS, IPC-HDBW2231RP-ZAS, IPC-HDBW2231RN-ZAS, DH-IPC-HDBW2231RP-VFAS, DH-IPC-HDBW2231RN-VFAS, DH-IPC-HDBW2231RP-ZAS, DH-IPC-HDBW2231RN-ZAS, DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI, IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS,
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		DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS, IPC-HDBW2421RP-VFS, IPC-HDBW2421RN-VFS, DH-IPC-HDBW2421RP-VFS, DH-IPC-HDBW2421RN-VFS, DH-IPC-HDBW24A1RN-VFS, IPC-HDBW2421RP-VFAS, IPC-HDBW2421RN-VFAS, DH-IPC-HDBW2421RP-VFAS, DH-IPC-HDBW2421RN-VFAS, DH-IPC-HDBW24A1RN-VFAS, IPC-HDBW2421RP-ZS, IPC-HDBW2421RN-ZS, DH-IPC-HDBW2421RP-ZS, DH-IPC-HDBW2421RN-ZS, DH-IPC-HDBW24A1RN-ZS, IPC-HDBW2421RP-ZAS, IPC-HDBW2421RN-ZAS, DH-IPC-HDBW2421RP-ZAS, DH-IPC-HDBW2421RN-ZAS, DH-IPC-HDBW24A1RN-ZAS, IPC-HDBW2121RP-VFS, IPC-HDBW2121RN-VFS, DH-IPC-HDBW2121RP-VFS, DH-IPC-HDBW2121RN-VFS, DH-IPC-HDBW21A1RN-VFS, IPC-HDBW2121RP-VFAS, IPC-HDBW2121RN-VFAS, DH-IPC-HDBW2121RP-VFAS, DH-IPC-HDBW2121RN-VFAS, DH-IPC-HDBW21A1RN-VFAS, IPC-HDBW2121RP-ZS, IPC-HDBW2121RN-ZS, DH-IPC-HDBW2121RP-ZS, DH-IPC-HDBW2121RN-ZS, DH-IPC-HDBW21A1RN-ZS, IPC-HDBW2121RP-ZAS, IPC-HDBW2121RN-ZAS, DH-IPC-HDBW2121RP-ZAS, DH-IPC-HDBW2121RN-ZAS, DH-IPC-HDBW21A1RN-ZAS, IPC-HDBW2221RP-VFS, IPC-HDBW2221RN-VFS, DH-IPC-HDBW2221RP-VFS, DH-IPC-HDBW2221RN-VFS, DH-IPC-HDBW22A1RN-VFS, IPC-HDBW2221RP-VFAS, IPC-HDBW2221RN-VFAS, DH-IPC-HDBW2221RP-VFAS, DH-IPC-HDBW2221RN-VFAS, DH-IPC-HDBW22A1RN-VFAS, IPC-HDBW2221RP-ZS, IPC-HDBW2221RN-ZS, DH-IPC-HDBW2221RP-ZS, DH-IPC-HDBW2221RN-ZS, DH-IPC-HDBW22A1RN-ZS, IPC-HDBW2221RP-ZAS, IPC-HDBW2221RN-ZAS, DH-IPC-HDBW2221RP-ZAS, DH-IPC-HDBW2221RN-ZAS, DH-IPC-HDBW22A1RN-ZAS, IPC-HDBW2531RP-VFS, IPC-HDBW2531RN-VFS, DH-IPC-HDBW2531RP-VFS, DH-IPC-HDBW2531RN-VFS, IPC-HDBW2531RP-VFAS, IPC-HDBW2531RN-VFAS, DH-IPC-HDBW2531RP-VFAS, DH-IPC-HDBW2531RN-VFAS, IPC-HDBW2531RP-ZS, IPC-HDBW2531RN-ZS, DH-IPC-HDBW2531RP-ZS, DH-IPC-HDBW2531RN-ZS, IPC-HDBW2531RP-ZAS, IPC-HDBW2531RN-ZAS, DH-IPC-HDBW2531RP-ZAS, DH-IPC-HDBW2531RN-ZAS, IPC-HDBW5631RP-Z, IPC-HDBW5631RN-Z, DH-IPC-HDBW5631RP-Z, DH-IPC-HDBW5631RN-Z, IPC-HDBW5831RP-Z, IPC-HDBW5831RN-Z, DH-IPC-HDBW5831RP-Z,
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		DH-IPC-HDBW5831RN-Z,DH-IPC-HDBW5231RN-ZE, DH-IPC-HDBW5231RP-ZE,DH-IPC-HDBW5431RN-ZE, DH-IPC-HDBW5431RP-ZE,DH-IPC-HDBW5631RN-ZE, DH-IPC-HDBW5631RP-ZE,DH-IPC-HDBW5831RN-ZE, DH-IPC-HDBW5831RP-ZE,IPC-HDBW5231RN-ZE, IPC-HDBW5231RP-ZE,IPC-HDBW5431RN-ZE, IPC-HDBW5431RP-ZE,IPC-HDBW5631RN-ZE, IPC-HDBW5631RP-ZE,IPC-HDBW5831RN-ZE, IPC-HDBW5831RP-ZE, N52BM3Z
Remark	DH-IPC-HDBW5431RP-Z& DH-IPC-HDBW5231RP-Z& DH-IPC-HDBW5830RP-Z& DH-IPC-HDBW2230RP-ZAS were selected as the test model and their data have been recorded in this report.	
Adapter	Model No.:	ADS-12B-12 12012Gz
	INPUT:	100-240V~ 50/60Hz, 0.3A max
	OUTPUT:	12V, 1.0A

Model differences

Main model	Model name	Difference
DH-IPC-HDBW5431RP-Z	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS,	Internal sensor board and sales area are different.

DH-IPC-HDBW2431RP-VFS,

DH-IPC-HDBW2431RN-VFS,

DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS,

IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS,

IPC-HDBW5431RP-ZS, IPC-HDBW5431RN-ZS,



	PC-HDBW2421RP-VFS,DH-IPC-HDBW2421RN-VFS,D H-IPC-HDBW24A1RN-VFS,IPC-HDBW2421RP-VFAS,I PC-HDBW2421RN-VFAS,DH-IPC-HDBW2421RP-VFAS ,DH-IPC-HDBW2421RN-VFAS,DH-IPC-HDBW24A1RN- VFAS,IPC-HDBW2421RP-ZS,IPC-HDBW2421RN-ZS,D H-IPC-HDBW2421RP-ZS,DH-IPC-HDBW2421RN-ZS,D H-IPC-HDBW24A1RN-ZS,IPC-HDBW2421RP-ZAS,IPC- HDBW2421RN-ZAS,DH-IPC-HDBW2421RP-ZAS,DH-IP C-HDBW2421RN-ZAS,DH-IPC-HDBW24A1RN-ZAS,DH -IPC-HDBW5231RN-ZE,DH-IPC-HDBW5231RP-ZE,DH-I IPC-HDBW5431RN-ZE,DH-IPC-HDBW5431RP-ZE,DH-I PC-HDBW5631RN-ZE,DH-IPC-HDBW5631RP-ZE,DH-I PC-HDBW5831RN-ZE,DH-IPC-HDBW5831RP-ZE,IPC- HDBW5231RN-ZE,IPC-HDBW5231RP-ZE,IPC-HDBW5 431RN-ZE,IPC-HDBW5431RP-ZE,IPC-HDBW5631RN- ZE,IPC-HDBW5631RP-ZE,IPC-HDBW5831RN-ZE,IPC- HDBW5831RP-ZE	
DH-IPC-HDBW52 31RP-Z	IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2121RP-VFS,IPC-HDBW2121RN-VFS,DH-I PC-HDBW2121RP-VFS,DH-IPC-HDBW2121RN-VFS,D H-IPC-HDBW21A1RN-VFS,IPC-HDBW2121RP-VFAS,I PC-HDBW2121RN-VFAS,DH-IPC-HDBW2121RP-VFAS ,DH-IPC-HDBW2121RN-VFAS,DH-IPC-HDBW21A1RN- VFAS,IPC-HDBW2121RP-ZS,IPC-HDBW2121RN-ZS,D H-IPC-HDBW2121RP-ZS,DH-IPC-HDBW2121RN-ZS,D H-IPC-HDBW21A1RN-ZS,IPC-HDBW2121RP-ZAS,IPC- HDBW2121RN-ZAS,DH-IPC-HDBW2121RP-ZAS,DH-IP C-HDBW2121RN-ZAS,DH-IPC-HDBW21A1RN-ZAS,IP C-HDBW2221RP-VFS,IPC-HDBW2221RN-VFS,DH-IPC -HDBW2221RP-VFS,DH-IPC-HDBW2221RN-VFS,DH-I PC-HDBW22A1RN-VFS,IPC-HDBW2221RP-VFAS,IPC-	



	HDBW2221RN-VFAS,DH-IPC-HDBW2221RP-VFAS,DH-IPC-HDBW2221RN-VFAS,DH-IPC-HDBW22A1RN-VFAS,IPC-HDBW2221RP-ZS,IPC-HDBW2221RN-ZS,DH-IPC-HDBW2221RP-ZS,DH-IPC-HDBW2221RN-ZS,DH-IPC-HDBW22A1RN-ZS,IPC-HDBW2221RP-ZAS,IPC-HDBW2221RN-ZAS,DH-IPC-HDBW2221RP-ZAS,DH-IPC-HDBW2221RN-ZAS,DH-IPC-HDBW22A1RN-ZAS	
DH-IPC-HDBW5830RP-Z	DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI	Main board is different.
DH-IPC-HDBW2230RP-ZAS	IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS	DSP frame are not the same, DSP main chip and sensor board are not the same.
IPC-HDBW2531RP-Z	IPC-HDBW2531RP-VFS,IPC-HDBW2531RN-VFS,DH-IPC-HDBW2531RP-VFS,DH-IPC-HDBW2531RN-VFS,IPC-HDBW2531RP-VFAS,IPC-HDBW2531RN-VFAS,DH-IPC-HDBW2531RP-VFAS,DH-IPC-HDBW2531RN-VFAS,IPC-HDBW2531RP-ZS,IPC-HDBW2531RN-ZS,DH-IPC-HDBW2531RP-ZS,DH-IPC-HDBW2531RN-ZS,IPC-HDBW2531RP-ZAS,IPC-HDBW2531RN-ZAS,DH-IPC-HDBW2531RP-ZAS,DH-IPC-HDBW2531RN-ZAS,IPC-HDBW5631RP-Z,IPC-HDBW5631RN-Z,DH-IPC-HDBW5631RP-Z,DH-IPC-HDBW5631RN-Z,IPC-HDBW5831RP-Z,IPC-HDBW5831RN-Z,DH-IPC-HDBW5831RP-Z,DH-IPC-HDBW5831RN-Z,	No difference from the old model IPC-HDBW5431RP-Z
N52BM3Z	N52BM3Z	No difference from the old model IPC-HDBW5431RP-Z



Third edition

IP CAMERA	Model No.:	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS, DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS, IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS, DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS, DH-IPC-HDBW2431RN-ZAS, IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2231RP-VFS, IPC-HDBW2231RN-VFS, IPC-HDBW2231RP-ZS, IPC-HDBW2231RN-ZS, DH-IPC-HDBW2231RP-VFS, DH-IPC-HDBW2231RN-VFS, DH-IPC-HDBW2231RP-ZS, DH-IPC-HDBW2231RN-ZS, IPC-HDBW2231RP-VFAS, IPC-HDBW2231RN-VFAS, IPC-HDBW2231RP-ZAS, IPC-HDBW2231RN-ZAS, DH-IPC-HDBW2231RP-VFAS, DH-IPC-HDBW2231RN-VFAS, DH-IPC-HDBW2231RP-ZAS, DH-IPC-HDBW2231RN-ZAS, DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI, IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS, IPC-HDBW2421RP-VFS, IPC-HDBW2421RN-VFS, DH-IPC-HDBW2421RP-VFS,
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		DH-IPC-HDBW2421RN-VFS,DH-IPC-HDBW24A1RN-VFS, IPC-HDBW2421RP-VFAS,IPC-HDBW2421RN-VFAS, DH-IPC-HDBW2421RP-VFAS,DH-IPC-HDBW2421RN-VFAS, DH-IPC-HDBW24A1RN-VFAS,IPC-HDBW2421RP-ZS, IPC-HDBW2421RN-ZS,DH-IPC-HDBW2421RP-ZS, DH-IPC-HDBW2421RN-ZS,DH-IPC-HDBW24A1RN-ZS, IPC-HDBW2421RP-ZAS,IPC-HDBW2421RN-ZAS, DH-IPC-HDBW2421RP-ZAS,DH-IPC-HDBW2421RN-ZAS, DH-IPC-HDBW24A1RN-ZAS,IPC-HDBW2121RP-VFS, IPC-HDBW2121RN-VFS,DH-IPC-HDBW2121RP-VFS, DH-IPC-HDBW2121RN-VFS,DH-IPC-HDBW21A1RN-VFS, IPC-HDBW2121RP-VFAS,IPC-HDBW2121RN-VFAS, DH-IPC-HDBW2121RP-VFAS,DH-IPC-HDBW2121RN-VFAS, DH-IPC-HDBW21A1RN-VFAS,IPC-HDBW2121RP-ZS, IPC-HDBW2121RN-ZS,DH-IPC-HDBW2121RP-ZS, DH-IPC-HDBW2121RN-ZS,DH-IPC-HDBW21A1RN-ZS, IPC-HDBW2121RP-ZAS,IPC-HDBW2121RN-ZAS, DH-IPC-HDBW2121RP-ZAS,DH-IPC-HDBW2121RN-ZAS, DH-IPC-HDBW21A1RN-ZAS,IPC-HDBW2221RP-VFS, IPC-HDBW2221RN-VFS,DH-IPC-HDBW2221RP-VFS, DH-IPC-HDBW2221RN-VFS,DH-IPC-HDBW22A1RN-VFS, IPC-HDBW2221RP-VFAS,IPC-HDBW2221RN-VFAS, DH-IPC-HDBW2221RP-VFAS,DH-IPC-HDBW2221RN-VFAS, DH-IPC-HDBW22A1RN-VFAS,IPC-HDBW2221RP-ZS, IPC-HDBW2221RN-ZS,DH-IPC-HDBW2221RP-ZS, DH-IPC-HDBW2221RN-ZS,DH-IPC-HDBW22A1RN-ZS, IPC-HDBW2221RP-ZAS,IPC-HDBW2221RN-ZAS, DH-IPC-HDBW2221RP-ZAS,DH-IPC-HDBW2221RN-ZAS, DH-IPC-HDBW22A1RN-ZAS,IPC-HDBW2531RP-VFS, IPC-HDBW2531RN-VFS,DH-IPC-HDBW2531RP-VFS, DH-IPC-HDBW2531RN-VFS,IPC-HDBW2531RP-VFAS, IPC-HDBW2531RN-VFAS,DH-IPC-HDBW2531RP-VFAS, DH-IPC-HDBW2531RN-VFAS,IPC-HDBW2531RP-ZS, IPC-HDBW2531RN-ZS,DH-IPC-HDBW2531RP-ZS, DH-IPC-HDBW2531RN-ZS,IPC-HDBW2531RP-ZAS, IPC-HDBW2531RN-ZAS,DH-IPC-HDBW2531RP-ZAS, DH-IPC-HDBW2531RN-ZAS,IPC-HDBW5631RP-Z, IPC-HDBW5631RN-Z,DH-IPC-HDBW5631RP-Z, DH-IPC-HDBW5631RN-Z,IPC-HDBW5831RP-Z, IPC-HDBW5831RN-Z,DH-IPC-HDBW5831RP-Z, DH-IPC-HDBW5831RN-Z,DH-IPC-HDBW5231RN-ZE, DH-IPC-HDBW5231RP-ZE,DH-IPC-HDBW5431RN-ZE, DH-IPC-HDBW5431RP-ZE,DH-IPC-HDBW5631RN-ZE, DH-IPC-HDBW5631RP-ZE,DH-IPC-HDBW5831RN-ZE, DH-IPC-HDBW5831RP-ZE,IPC-HDBW5231RN-ZE, IPC-HDBW5231RP-ZE,IPC-HDBW5431RN-ZE,
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		IPC-HDBW5431RP-ZE,IPC-HDBW5631RN-ZE, IPC-HDBW5631RP-ZE,IPC-HDBW5831RN-ZE, IPC-HDBW5831RP-ZE
Remark	DH-IPC-HDBW5431RP-Z& DH-IPC-HDBW5231RP-Z& DH-IPC-HDBW5830RP-Z& DH-IPC-HDBW2230RP-ZAS were selected as the test model and their data have been recorded in this report.	
Adapter	Model No.:	ADS-12B-12 12012Gz
	INPUT:	100-240V~ 50/60Hz, 0.3A max
	OUTPUT:	12V, 1.0A

Model differences

Main model	Model name	Difference
DH-IPC-HDBW5431RP-Z	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS, DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS, IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS,	Internal sensor board and sales area are different.



	W24A1RN-VFAS,IPC-HDBW2421RP-ZS,IPC-HDBW2421RN-ZS,DH-IPC-HDBW2421RP-ZS,DH-IPC-HDBW2421RN-ZS,DH-IPC-HDBW24A1RN-ZS,IPC-HDBW2421RP-ZAS,IPC-HDBW2421RN-ZAS,DH-IPC-HDBW2421RP-ZAS,DH-IPC-HDBW2421RN-ZAS,DH-IPC-HDBW24A1RN-ZAS,DH-IPC-HDBW5231RN-ZE,DH-IPC-HDBW5231RP-ZE,DH-IPC-HDBW5431RN-ZE,DH-IPC-HDBW5431RP-ZE,DH-IPC-HDBW5631RN-ZE,DH-IPC-HDBW5631RP-ZE,DH-IPC-HDBW5831RN-ZE,DH-IPC-HDBW5831RP-ZE,IPC-HDBW5231RN-ZE,IPC-HDBW5231RP-ZE,IPC-HDBW5431RN-ZE,IPC-HDBW5431RP-ZE,IPC-HDBW5631RN-ZE,IPC-HDBW5631RP-ZE,IPC-HDBW5831RN-ZE,IPC-HDBW5831RP-ZE	
DH-IPC-HDBW5231RP-Z	IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2121RP-VFS,IPC-HDBW2121RN-VFS,DH-IPC-HDBW2121RP-VFS,DH-IPC-HDBW2121RN-VFS,DH-IPC-HDBW21A1RN-VFS,IPC-HDBW2121RP-VFAS,IPC-HDBW2121RN-VFAS,DH-IPC-HDBW2121RP-VFAS,DH-IPC-HDBW2121RN-VFAS,DH-IPC-HDBW21A1RN-VFAS,IPC-HDBW2121RP-ZS,IPC-HDBW2121RN-ZS,DH-IPC-HDBW2121RP-ZS,DH-IPC-HDBW2121RN-ZS,DH-IPC-HDBW21A1RN-ZS,IPC-HDBW2121RP-ZAS,IPC-HDBW2121RN-ZAS,DH-IPC-HDBW2121RP-ZAS,DH-IPC-HDBW2121RN-ZAS,DH-IPC-HDBW21A1RN-ZAS,IPC-HDBW2221RP-VFS,IPC-HDBW2221RN-VFS,DH-IPC-HDBW2221RP-VFS,DH-IPC-HDBW2221RN-VFS,DH-IPC-HDBW22A1RN-VFS,IPC-HDBW2221RP-VFAS,IPC-HDBW2221RN-VFAS,DH-IPC-HDBW2221RP-VFAS,DH-IPC-HDBW2221RN-VFAS,DH-IPC-HDBW22A1RN-VFAS,	



	IPC-HDBW2221RP-ZS,IPC-HDBW2221RN-ZS,DH-IPC-HDBW2221RP-ZS,DH-IPC-HDBW2221RN-ZS,DH-IPC-HDBW22A1RN-ZS,IPC-HDBW2221RP-ZAS,IPC-HDBW2221RN-ZAS,DH-IPC-HDBW2221RP-ZAS,DH-IPC-HDBW2221RN-ZAS,DH-IPC-HDBW22A1RN-ZAS	
DH-IPC-HDBW5830RP-Z	DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI	Main board is different.
DH-IPC-HDBW2230RP-ZAS	IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS	DSP frame are not the same, DSP main chip and sensor board are not the same.
IPC-HDBW2531RP-Z	IPC-HDBW2531RP-VFS,IPC-HDBW2531RN-VFS,DH-IPC-HDBW2531RP-VFS,DH-IPC-HDBW2531RN-VFS,IPC-HDBW2531RP-VFAS,IPC-HDBW2531RN-VFAS,DH-IPC-HDBW2531RP-VFAS,DH-IPC-HDBW2531RN-VFAS,IPC-HDBW2531RP-ZS,IPC-HDBW2531RN-ZS,DH-IPC-HDBW2531RP-ZS,DH-IPC-HDBW2531RN-ZS,IPC-HDBW2531RP-ZAS,IPC-HDBW2531RN-ZAS,DH-IPC-HDBW2531RP-ZAS,DH-IPC-HDBW2531RN-ZAS,IPC-HDBW5631RP-Z,IPC-HDBW5631RN-Z,DH-IPC-HDBW5631RP-Z,DH-IPC-HDBW5631RN-Z,IPC-HDBW5831RP-Z,IPC-HDBW5831RN-Z,DH-IPC-HDBW5831RP-Z,DH-IPC-HDBW5831RN-Z,	No difference from the old model IPC-HDBW5431RP-Z



Second edition

IP CAMERA	Model No.:	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS, DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS, IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS, DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS, DH-IPC-HDBW2431RN-ZAS, IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2231RP-VFS, IPC-HDBW2231RN-VFS, IPC-HDBW2231RP-ZS, IPC-HDBW2231RN-ZS, DH-IPC-HDBW2231RP-VFS, DH-IPC-HDBW2231RN-VFS, DH-IPC-HDBW2231RP-ZS, DH-IPC-HDBW2231RN-ZS, IPC-HDBW2231RP-VFAS, IPC-HDBW2231RN-VFAS, IPC-HDBW2231RP-ZAS, IPC-HDBW2231RN-ZAS, DH-IPC-HDBW2231RP-VFAS, DH-IPC-HDBW2231RN-VFAS, DH-IPC-HDBW2231RP-ZAS, DH-IPC-HDBW2231RN-ZAS, DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI, IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS,
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		DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS, IPC-HDBW2421RP-VFS,IPC-HDBW2421RN-VFS,DH-IP C-HDBW2421RP-VFS,DH-IPC-HDBW2421RN-VFS,DH-I PC-HDBW24A1RN-VFS,IPC-HDBW2421RP-VFAS,IPC-H DBW2421RN-VFAS,DH-IPC-HDBW2421RP-VFAS,DH-IP C-HDBW2421RN-VFAS,DH-IPC-HDBW24A1RN-VFAS , IPC-HDBW2421RP-ZS,IPC-HDBW2421RN-ZS,DH-IPC-H DBW2421RP-ZS,DH-IPC-HDBW2421RN-ZS,DH-IPC-HD BW24A1RN-ZS,IPC-HDBW2421RP-ZAS,IPC-HDBW242 1RN-ZAS,DH-IPC-HDBW2421RP-ZAS,DH-IPC-HDBW24 21RN-ZAS,DH-IPC-HDBW24A1RN-ZAS , IPC-HDBW2121RP-VFS,IPC-HDBW2121RN-VFS,DH-IP C-HDBW2121RP-VFS,DH-IPC-HDBW2121RN-VFS,DH-I PC-HDBW21A1RN-VFS,IPC-HDBW2121RP-VFAS,IPC-H DBW2121RN-VFAS,DH-IPC-HDBW2121RP-VFAS,DH-IP C-HDBW2121RN-VFAS,DH-IPC-HDBW21A1RN-VFAS , IPC-HDBW2121RP-ZS,IPC-HDBW2121RN-ZS,DH-IPC-H DBW2121RP-ZS,DH-IPC-HDBW2121RN-ZS,DH-IPC-HD BW21A1RN-ZS,IPC-HDBW2121RP-ZAS,IPC-HDBW212 1RN-ZAS,DH-IPC-HDBW2121RP-ZAS,DH-IPC-HDBW21 21RN-ZAS,DH-IPC-HDBW21A1RN-ZAS , IPC-HDBW2221RP-VFS,IPC-HDBW2221RN-VFS,DH-IP C-HDBW2221RP-VFS,DH-IPC-HDBW2221RN-VFS,DH-I PC-HDBW22A1RN-VFS,IPC-HDBW2221RP-VFAS,IPC-H DBW2221RN-VFAS,DH-IPC-HDBW2221RP-VFAS,DH-IP C-HDBW2221RN-VFAS,DH-IPC-HDBW22A1RN-VFAS , IPC-HDBW2221RP-ZS,IPC-HDBW2221RN-ZS,DH-IPC-H DBW2221RP-ZS,DH-IPC-HDBW2221RN-ZS,DH-IPC-HD BW22A1RN-ZS,IPC-HDBW2221RP-ZAS,IPC-HDBW222 1RN-ZAS,DH-IPC-HDBW2221RP-ZAS,DH-IPC-HDBW22 21RN-ZAS,DH-IPC-HDBW22A1RN-ZAS , IPC-HDBW2531RP-VFS,IPC-HDBW2531RN-VFS,DH-IP C-HDBW2531RP-VFS,DH-IPC-HDBW2531RN-VFS, IPC-HDBW2531RP-VFAS,IPC-HDBW2531RN-VFAS,DH- IPC-HDBW2531RP-VFAS,DH-IPC-HDBW2531RN-VFAS, IPC-HDBW2531RP-ZS,IPC-HDBW2531RN-ZS,DH-IPC-H DBW2531RP-ZS,DH-IPC-HDBW2531RN-ZS, IPC-HDBW2531RP-ZAS,IPC-HDBW2531RN-ZAS,DH-IP C-HDBW2531RP-ZAS,DH-IPC-HDBW2531RN-ZAS, IPC-HDBW5631RP-Z,IPC-HDBW5631RN-Z,DH-IPC-HDB W5631RP-Z,DH-IPC-HDBW5631RN-Z, IPC-HDBW5831RP-Z,IPC-HDBW5831RN-Z,DH-IPC-HDB W5831RP-Z,DH-IPC-HDBW5831RN-Z,
Remark	DH-IPC-HDBW5431RP-Z& DH-IPC-HDBW5231RP-Z& DH-IPC-HDBW5830RP-Z& DH-IPC-HDBW2230RP-ZAS were selected as the test model and their data have been recorded in this report.	
Adapter	Model No.:	ADS-12B-12 12012Gz
	INPUT:	100-240V~ 50/60Hz, 0.3A max
	OUTPUT:	12V, 1.0A



Note: Please refer to user manual.

Model differences

Main model	Model name	Difference
DH-IPC-HDBW5431RP-Z	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS, DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS, IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS, DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS, DH-IPC-HDBW2431RN-ZAS, IPC-HDBW2421RP-VFS,IPC-HDBW2421RN-VFS,DH- IPC-HDBW2421RP-VFS,DH-IPC-HDBW2421RN-VF S,DH-IPC-HDBW24A1RN-VFS,IPC-HDBW2421RP-V FAS,IPC-HDBW2421RN-VFAS,DH-IPC-HDBW2421R P-VFAS,DH-IPC-HDBW2421RN-VFAS,DH-IPC-HDB W24A1RN-VFAS, IPC-HDBW2421RP-ZS,IPC-HDBW2421RN-ZS, DH-IPC-HDBW2421RP-ZS,DH-IPC-HDBW2421RN-Z S,DH-IPC-HDBW24A1RN-ZS,IPC-HDBW2421RP-ZA S,IPC-HDBW2421RN-ZAS,DH-IPC-HDBW2421RP-Z AS,DH-IPC-HDBW2421RN-ZAS,DH-IPC-HDBW24A1 RN-ZAS	Internal sensor board and sales area are different.



DH-IPC-HDBW5231RP-Z	IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2121RP-VFS,IPC-HDBW2121RN-VFS,DH- IPC-HDBW2121RP-VFS,DH-IPC-HDBW2121RN-VF S,DH-IPC-HDBW21A1RN-VFS,IPC-HDBW2121RP-V FAS,IPC-HDBW2121RN-VFAS,DH-IPC-HDBW2121R P-VFAS,DH-IPC-HDBW2121RN-VFAS,DH-IPC-HDB W21A1RN-VFAS, IPC-HDBW2121RP-ZS,IPC-HDBW2121RN-ZS,DH-IP C-HDBW2121RP-ZS,DH-IPC-HDBW2121RN-ZS,DH-I PC-HDBW21A1RN-ZS,IPC-HDBW2121RP-ZAS,IPC- HDBW2121RN-ZAS,DH-IPC-HDBW2121RP-ZAS,DH- IPC-HDBW2121RN-ZAS,DH-IPC-HDBW21A1RN-ZAS , IPC-HDBW2221RP-VFS,IPC-HDBW2221RN-VFS,DH- IPC-HDBW2221RP-VFS,DH-IPC-HDBW2221RN-VF S,DH-IPC-HDBW22A1RN-VFS,IPC-HDBW2221RP-V FAS,IPC-HDBW2221RN-VFAS,DH-IPC-HDBW2221R P-VFAS,DH-IPC-HDBW2221RN-VFAS,DH-IPC-HDB W22A1RN-VFAS, IPC-HDBW2221RP-ZS,IPC-HDBW2221RN-ZS,DH-IP C-HDBW2221RP-ZS,DH-IPC-HDBW2221RN-ZS,DH-I PC-HDBW22A1RN-ZS,IPC-HDBW2221RP-ZAS,IPC- HDBW2221RN-ZAS,DH-IPC-HDBW2221RP-ZAS,DH- IPC-HDBW2221RN-ZAS,DH-IPC-HDBW22A1RN-ZAS	
DH-IPC-HDBW5830RP-Z	DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI	Main board is different.



DH-IPC-HDBW2230RP-Z AS	IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS	DSP frame are not the same, DSP main chip and sensor board are not the same.
IPC-HDBW2531RP-Z	IPC-HDBW2531RP-VFS,IPC-HDBW2531RN-VFS,DH -IPC-HDBW2531RP-VFS,DH-IPC-HDBW2531RN-VF S, IPC-HDBW2531RP-VFAS,IPC-HDBW2531RN-VFAS, DH-IPC-HDBW2531RP-VFAS,DH-IPC-HDBW2531RN -VFAS,IPC-HDBW2531RP-ZS,IPC-HDBW2531RN-ZS ,DH-IPC-HDBW2531RP-ZS,DH-IPC-HDBW2531RN-Z S, IPC-HDBW2531RP-ZAS,IPC-HDBW2531RN-ZAS,DH -IPC-HDBW2531RP-ZAS,DH-IPC-HDBW2531RN-ZA S, IPC-HDBW5631RP-Z,IPC-HDBW5631RN-Z,DH-IPC- HDBW5631RP-Z,DH-IPC-HDBW5631RN-Z, IPC-HDBW5831RP-Z,IPC-HDBW5831RN-Z,DH-IPC- HDBW5831RP-Z,DH-IPC-HDBW5831RN-Z,	No difference from the old model IPC-HDBW5431 RP-Z

First edition:

IP CAMERA	Model No.:	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS,
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		DH-IPC-HDBW2431RN-VFS, DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS, IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS, DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS, DH-IPC-HDBW2431RN-ZAS, IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2231RP-VFS, IPC-HDBW2231RN-VFS, IPC-HDBW2231RP-ZS, IPC-HDBW2231RN-ZS, DH-IPC-HDBW2231RP-VFS, DH-IPC-HDBW2231RN-VFS, DH-IPC-HDBW2231RP-ZS, DH-IPC-HDBW2231RN-ZS, IPC-HDBW2231RP-VFAS, IPC-HDBW2231RN-VFAS, IPC-HDBW2231RP-ZAS, IPC-HDBW2231RN-ZAS, DH-IPC-HDBW2231RP-VFAS, DH-IPC-HDBW2231RN-VFAS, DH-IPC-HDBW2231RP-ZAS, DH-IPC-HDBW2231RN-ZAS, DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI, IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS, IPC-HDBW2421RP-VFS, IPC-HDBW2421RN-VFS, DH-IP C-HDBW2421RP-VFS, DH-IPC-HDBW2421RN-VFS, DH-I PC-HDBW24A1RN-VFS, IPC-HDBW2421RP-VFAS, IPC-H DBW2421RN-VFAS, DH-IPC-HDBW2421RP-VFAS, DH-IP C-HDBW2421RN-VFAS, DH-IPC-HDBW24A1RN-VFAS, IPC-HDBW2421RP-ZS, IPC-HDBW2421RN-ZS, DH-IPC-H DBW2421RP-ZS, DH-IPC-HDBW2421RN-ZS, DH-IPC-HD BW24A1RN-ZS, IPC-HDBW2421RP-ZAS, IPC-HDBW242 1RN-ZAS, DH-IPC-HDBW2421RP-ZAS, DH-IPC-HDBW24 21RN-ZAS, DH-IPC-HDBW24A1RN-ZAS,
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		IPC-HDBW2121RP-VFS,IPC-HDBW2121RN-VFS,DH-IPC-HDBW2121RP-VFS,DH-IPC-HDBW2121RN-VFS,DH-IPC-HDBW21A1RN-VFS,IPC-HDBW2121RP-VFAS,IPC-HDBW2121RN-VFAS,DH-IPC-HDBW2121RP-VFAS,DH-IPC-HDBW2121RN-VFAS,DH-IPC-HDBW21A1RN-VFAS , IPC-HDBW2121RP-ZS,IPC-HDBW2121RN-ZS,DH-IPC-HDBW2121RP-ZS,DH-IPC-HDBW2121RN-ZS,DH-IPC-HDBW21A1RN-ZS,IPC-HDBW2121RP-ZAS,IPC-HDBW2121RN-ZAS,DH-IPC-HDBW2121RP-ZAS,DH-IPC-HDBW2121RN-ZAS,DH-IPC-HDBW21A1RN-ZAS, IPC-HDBW2221RP-VFS,IPC-HDBW2221RN-VFS,DH-IPC-HDBW2221RP-VFS,DH-IPC-HDBW2221RN-VFS,DH-IPC-HDBW22A1RN-VFS,IPC-HDBW2221RP-VFAS,IPC-HDBW2221RN-VFAS,DH-IPC-HDBW2221RP-VFAS,DH-IPC-HDBW2221RN-VFAS,DH-IPC-HDBW22A1RN-VFAS, IPC-HDBW2221RP-ZS,IPC-HDBW2221RN-ZS,DH-IPC-HDBW2221RP-ZS,DH-IPC-HDBW2221RN-ZS,DH-IPC-HDBW22A1RN-ZS,IPC-HDBW2221RP-ZAS,IPC-HDBW2221RN-ZAS,DH-IPC-HDBW2221RP-ZAS,DH-IPC-HDBW2221RN-ZAS,DH-IPC-HDBW22A1RN-ZAS
Remark	DH-IPC-HDBW5431RP-Z& DH-IPC-HDBW5231RP-Z& DH-IPC-HDBW5830RP-Z& DH-IPC-HDBW2230RP-ZAS were selected as the test model and their data have been recorded in this report.	
Adapter	Model No.:	ADS-12B-12 12012Gz
	INPUT:	100-240V~ 50/60Hz, 0.3A max
	OUTPUT:	12V, 1.0A

Note: Please refer to user manual.

Model differences

Main model	Model name	Difference
DH-IPC-HDBW5431RP-Z	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2,	Internal sensor board and sales area are different.

DH-IPC-HDBW54B1RN-Z-S2,



	IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS, DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS, DH-IPC-HDBW2431RN-ZAS, IPC-HDBW2421RP-VFS,IPC-HDBW2421RN-VFS,DH -IPC-HDBW2421RP-VFS,DH-IPC-HDBW2421RN-VF S,DH-IPC-HDBW24A1RN-VFS,IPC-HDBW2421RP-V FAS,IPC-HDBW2421RN-VFAS,DH-IPC-HDBW2421R P-VFAS,DH-IPC-HDBW2421RN-VFAS,DH-IPC-HDB W24A1RN-VFAS, IPC-HDBW2421RP-ZS,IPC-HDBW2421RN-ZS, DH-IPC-HDBW2421RP-ZS,DH-IPC-HDBW2421RN-Z S,DH-IPC-HDBW24A1RN-ZS,IPC-HDBW2421RP-ZA S,IPC-HDBW2421RN-ZAS,DH-IPC-HDBW2421RP-Z AS,DH-IPC-HDBW2421RN-ZAS,DH-IPC-HDBW24A1 RN-ZAS	
DH-IPC-HDBW5231RP-Z	IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2121RP-VFS,IPC-HDBW2121RN-VFS,DH -IPC-HDBW2121RP-VFS,DH-IPC-HDBW2121RN-VF S,DH-IPC-HDBW21A1RN-VFS,IPC-HDBW2121RP-V FAS,IPC-HDBW2121RN-VFAS,DH-IPC-HDBW2121R P-VFAS,DH-IPC-HDBW2121RN-VFAS,DH-IPC-HDB W21A1RN-VFAS, IPC-HDBW2121RP-ZS,IPC-HDBW2121RN-ZS,DH-IP C-HDBW2121RP-ZS,DH-IPC-HDBW2121RN-ZS,DH-I PC-HDBW21A1RN-ZS,IPC-HDBW2121RP-ZAS,IPC- HDBW2121RN-ZAS,DH-IPC-HDBW2121RP-ZAS,DH- IPC-HDBW2121RN-ZAS,DH-IPC-HDBW21A1RN-ZAS ,	



	IPC-HDBW2221RP-VFS,IPC-HDBW2221RN-VFS,DH-IPC-HDBW2221RP-VFS,DH-IPC-HDBW2221RN-VFS,DH-IPC-HDBW2221RN-VFAS,IPC-HDBW2221RP-VFAS,IPC-HDBW2221RN-VFAS,DH-IPC-HDBW2221RP-VFAS,DH-IPC-HDBW2221RN-VFAS,DH-IPC-HDBW2221RN-VFAS,DH-IPC-HDBW2221RN-VFAS, IPC-HDBW2221RP-ZS,IPC-HDBW2221RN-ZS,DH-IPC-HDBW2221RP-ZS,DH-IPC-HDBW2221RN-ZS,DH-IPC-HDBW2221RN-ZS,IPC-HDBW2221RN-ZS,IPC-HDBW2221RP-ZAS,IPC-HDBW2221RN-ZAS,DH-IPC-HDBW2221RP-ZAS,DH-IPC-HDBW2221RN-ZAS,DH-IPC-HDBW2221RN-ZAS,DH-IPC-HDBW2221RN-ZAS	
DH-IPC-HDBW5830RP-Z	DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI	Main board is different.
DH-IPC-HDBW2230RP-ZAS	IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS	DSP frame are not the same, DSP main chip and sensor board are not the same.

Original:

IP CAMERA	Model No.:	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS,
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		DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS, IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS, DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS, DH-IPC-HDBW2431RN-ZAS, IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2, IPC-HDBW2231RP-VFS, IPC-HDBW2231RN-VFS, IPC-HDBW2231RP-ZS, IPC-HDBW2231RN-ZS, DH-IPC-HDBW2231RP-VFS, DH-IPC-HDBW2231RN-VFS, DH-IPC-HDBW2231RP-ZS, DH-IPC-HDBW2231RN-ZS, IPC-HDBW2231RP-VFAS, IPC-HDBW2231RN-VFAS, IPC-HDBW2231RP-ZAS, IPC-HDBW2231RN-ZAS, DH-IPC-HDBW2231RP-VFAS, DH-IPC-HDBW2231RN-VFAS, DH-IPC-HDBW2231RP-ZAS, DH-IPC-HDBW2231RN-ZAS, DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI, IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS
Remark	DH-IPC-HDBW5431RP-Z& DH-IPC-HDBW5231RP-Z& DH-IPC-HDBW5830RP-Z& DH-IPC-HDBW2230RP-ZAS were selected as the test model and their data have been recorded in this report.	
Adapter	Model No.:	ADS-12B-12 12012Gz
	INPUT:	100-240V~ 50/60Hz, 0.3A max
	OUTPUT:	12V, 1.0A

Note: Please refer to user manual.



Model differences

Main model	Model name	Difference
DH-IPC-HDBW5431RP-Z	IPC-HDBW5431RP-Z, IPC-HDBW5431RN-Z, DH-IPC-HDBW5431RP-Z, DH-IPC-HDBW5431RN-Z, DH-IPC-HDBW5431R-Z, DH-IPC-HDBW54B1RN-Z, IPC-HDBW5431RP-Z-S2, IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431RP-Z-S2, DH-IPC-HDBW5431RN-Z-S2, DH-IPC-HDBW5431R-Z-S2, DH-IPC-HDBW54B1RN-Z-S2, IPC-HDBW2431RP-VFS, IPC-HDBW2431RN-VFS, IPC-HDBW2431RP-ZS, IPC-HDBW2431RN-ZS, DH-IPC-HDBW2431RP-VFS, DH-IPC-HDBW2431RN-VFS, DH-IPC-HDBW2431RP-ZS, DH-IPC-HDBW2431RN-ZS, IPC-HDBW2431RP-VFAS, IPC-HDBW2431RN-VFAS, IPC-HDBW2431RP-ZAS, IPC-HDBW2431RN-ZAS, DH-IPC-HDBW2431RP-VFAS, DH-IPC-HDBW2431RN-VFAS, DH-IPC-HDBW2431RP-ZAS, DH-IPC-HDBW2431RN-ZAS	Internal sensor board and sales area is different.
DH-IPC-HDBW5231RP-Z	IPC-HDBW5231RP-Z, IPC-HDBW5231RN-Z, DH-IPC-HDBW5231RP-Z, DH-IPC-HDBW5231RN-Z, DH-IPC-HDBW5231R-Z, DH-IPC-HDBW52B1RN-Z, IPC-HDBW5231RP-Z-S2, IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231RP-Z-S2, DH-IPC-HDBW5231RN-Z-S2, DH-IPC-HDBW5231R-Z-S2, DH-IPC-HDBW52B1RN-Z-S2	
DH-IPC-HDBW5830RP-Z	DH-IPC-HDBW5830RP-Z, DH-IPC-HDBW5830RN-Z, IPC-HDBW5830RP-Z, IPC-HDBW5830RN-Z, DH-IPC-HDBW5830RP-Z-S2, DH-IPC-HDBW5830RN-Z-S2, IPC-HDBW5830RP-Z-S2, IPC-HDBW5830RN-Z-S2, N58BM4Z, N58BM4ZI	Main board is different.



DH-IPC-HDBW2230RP-Z AS	IPC-HDBW2230RP-VFAS, IPC-HDBW2230RN-VFAS, IPC-HDBW2230RP-ZAS, IPC-HDBW2230RN-ZAS, DH-IPC-HDBW2230RP-VFAS, DH-IPC-HDBW2230RN-VFAS, DH-IPC-HDBW2230RP-ZAS, DH-IPC-HDBW2230RN-ZAS, IPC-HDBW2230RP-VFS, IPC-HDBW2230RN-VFS, IPC-HDBW2230RP-ZS, IPC-HDBW2230RN-ZS, DH-IPC-HDBW2230RP-VFS, DH-IPC-HDBW2230RN-VFS, DH-IPC-HDBW2230RP-ZS, DH-IPC-HDBW2230RN-ZS	DSP frame are not the same, DSP main chip and sensor board are not the same.
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2.2. Test Manner

- a. During testing, the interface cables and equipment positions were varied according to ANSI C63.4.
- b. Turn on the power of all equipment.
- c. The complete test system included Notebook PC, POE Midspan, Sound, DVD and EUT for EMI test.
- d. The test mode of CE as follow:

Test Mode 1. Full system for DH-IPC-HDBW5830RP-Z with Adapter +POE

Test Mode 2. Full system for DH-IPC-HDBW5431RP-Z with Adapter +POE

Test Mode 3. Full system for DH-IPC-HDBW5231RP-Z with Adapter +POE

Test Mode 4. Full system for DH-IPC-HDBW2230RP-ZAS with Adapter +POE

The "Test Mode 1" was reported as final data.

The test mode of RE as follow:

Test Mode 1. Full system for DH-IPC-HDBW5830RP-Z with Adapter +POE

Test Mode 2. Full system for DH-IPC-HDBW5830RP-Z with POE

Test Mode 3. Full system for DH-IPC-HDBW5431RP-Z with Adapter +POE

Test Mode 4. Full system for DH-IPC-HDBW5431RP-Z with POE

Test Mode 5. Full system for DH-IPC-HDBW5231RP-Z with Adapter +POE

Test Mode 6. Full system for DH-IPC-HDBW5231RP-Z with POE

Test Mode 7. Full system for DH-IPC-HDBW2230RP-ZAS with Adapter +POE

Test Mode 8. Full system for DH-IPC-HDBW2230RP-ZAS with POE

The "Test Mode 1, 2" were reported as final data.

- e. The maximum operating frequency is above 108MHz, the test frequency range is from 30MHz to 18GHz.

**2.3. Description of Support Unit**

No	Device	Manufacturer	Model No.	Description
1	Notebook PC	SONY	PCG-71811P	Non-Shielded, 1.5m (R33021)
2	POE Midspan	N/A	PFT1200	Non-Shielded, 1.8m
3	Sound	Creative	N/A	N/A
4	DVD	PIONEER	DV-600AV-S	Non-Shielded, 1.5m

Use Cable:

No	Cable	Quantity	Description
A	Audio Cable	1	Non-Shielded, 1.8 m
B	LAN Cable	1	Non-Shielded > 3.0 m
C	DC Cable	1	Non-Shielded, 1.5m
D	Audio Cable	1	Non-Shielded, 1.8 m
E	LAN Cable	1	Non-Shielded > 3.0 m



2.4. General Information of Test

<input type="checkbox"/>	Test Site	Cerpass Technology Corporation Address: No.10, Ln. 2, Lianfu St., Luzhu Dist., Taoyuan City 33848, Taiwan (R.O.C.) Tel:+886-3-3226-888 Fax:+886-3-3226-881 Address: No.68-1, Shihbachongsi, Shihding Township, New Taipei City 223, Taiwan, R.O.C. Tel: +886-2-2663-8582
	FCC	TW1079, TW1061
	IC	4934E-1, 4934E-2
	VCCI	T-2205 for Telecommunication Test C-4663 for Conducted emission test R-4399, R-4218 for Radiated emission test G-812, G-813 for radiated disturbance above 1GHz
<input checked="" type="checkbox"/>	Test Site	Cerpass Technology (Suzhou) Co.,Ltd Address: No.66,Tangzhuang Road, Suzhou Industrial Park, Jiangsu 215006, China Tel: +86-512-6917-5888 Fax: +86-512-6917-5666
	FCC	331395
	IC	7290A-1, 7290A-2
	VCCI	T-1945 for Telecommunication Test C-2919 for Conducted emission test R-2670 for Radiated emission test G-227 for radiated disturbance above 1GHz
Frequency Range Investigated:		Conducted: from 150kHz to 30 MHz Radiation: from 30 MHz to 18000MHz
Test Distance:		The test distance of radiated emission below 1GHz from antenna to EUT is 10 M. The test distance of radiated emission Above 1GHz from antenna to EUT is 3 M.



2.5. Measurement Uncertainty

Where relevant, the following measurement uncertainty levels have been estimated for tests performed on the EUT as specified in CISPR 16-4-2:

Test results and Measurement uncertainty without any relationship in the test report.

Measurement	Frequency	Uncertainty
Conducted emissions(LINE)	9KHz-30MHz	+/- 0.7738 dB
Conducted emissions(NEUTRAL)	9KHz-30MHz	+/- 0.7886 dB

Measurement	Polarity	Frequency	Uncertainty
Radiated emissions (below 1GHz)	H	30MHz ~ 200MHz	+/- 3.8909dB
		200MHz ~1000MHz	+/- 3.6555dB
	V	30MHz ~ 200MHz	+/- 3.8948dB
		200MHz ~1000MHz	+/- 3.6538dB
Radiated emissions (above 1GHz)	H	1000MHz ~18000MHz	+/- 3.8948 dB
		18000MHz ~40000MHz	+/-3.8844dB
	V	1000MHz ~18000MHz	+/- 3.8906dB
		18000MHz ~40000MHz	+/- 3.8744dB

This uncertainty represents an expanded uncertainty expressed at approximately the 95% confidence level using a coverage factor of k=2.

Consistent with industry standard (e.g. CISPR 22: 2008, clause 11, Measurement Uncertainty) determining compliance with the limits shall be based on the results of the compliance measurement. Consequently the measured emissions being less than the maximum allowed emission result in this being a compliant test or passing test.



3. Test of Conducted Emission

3.1. Test Limit

Conducted Emissions were measured from 150 kHz to 30 MHz with a bandwidth of 9 KHz on the 120 VAC power and return leads of the EUT according to the methods defined in ANSI C63.4-2014 Section 3.1. The EUT was placed on a nonmetallic stand in a shielded room 0.8 meters above the ground plane as shown in section 1.2. The interface cables and equipment positioning were varied within limits of reasonable applications to determine the position produced maximum conducted emissions.

For a Class A digital device that is designed to be connected to the public utility (AC) power line, the radio frequency voltage that is conducted back onto the AC power line on any frequency or frequencies within the band 150 kHz to 30 MHz shall not exceed the limits in the following table, as measured using a 50 μ H/50 ohms LISN. Compliance with the provisions of this paragraph shall be based on the measurement of the radio frequency voltage between each power line and ground at the power terminal. The lower limit applies at the boundary between the frequency ranges.

Table 1 Conducted Emission Limits (dB μ V):

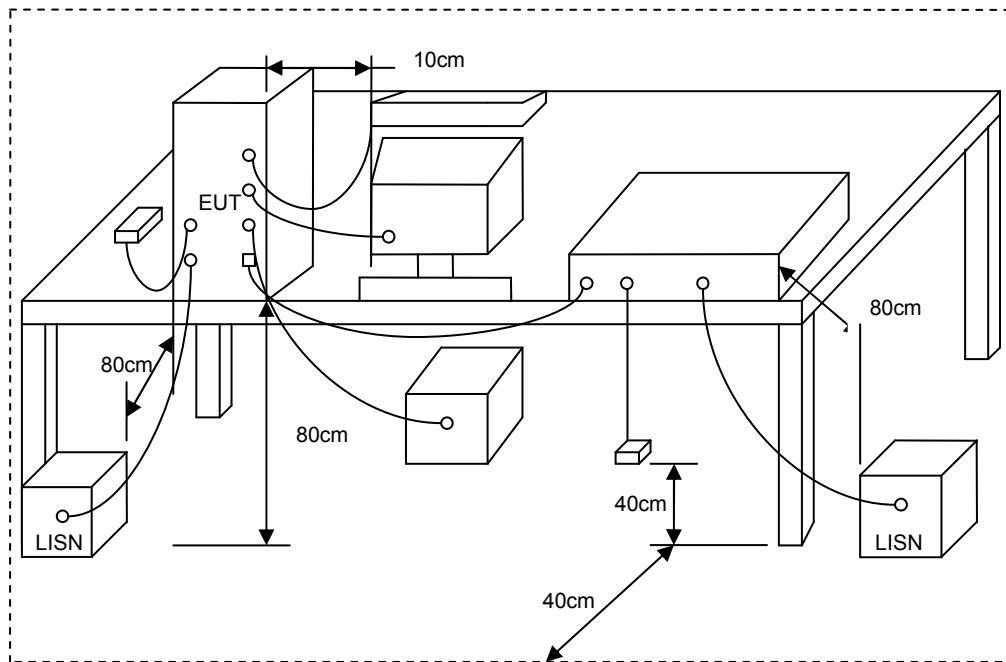
Frequency range (MHz)	Class A Equipment		Class B Equipment	
	Quasi Peak	Average	Quasi Peak	Average
0.15 to 0.50	79	66	66 to 56*	56 to 46*
0.50 to 5	73	60	56	46
5. to 30.	73	60	60	50
*The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.5MHz.				

3.2. Test Procedures

- The EUT was placed 0.4 meter from the conducting wall of the shielding room was kept at least 80 centimeters from any other grounded conducting surface.
- Connect EUT to the power mains through a line impedance stabilization network (LISN).
- All the support units are connecting to the other LISN.
- The LISN provides 50 ohm coupling impedance for the measuring instrument.
- The FCC states that a 50 ohm, 50 micro-Henry LISN should be used.
- Both sides of AC line were checked for maximum conducted interference.
- The frequency range from 150 kHz to 30 MHz was searched.
- Set the test-receiver system to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.



3.3. Typical test Setup



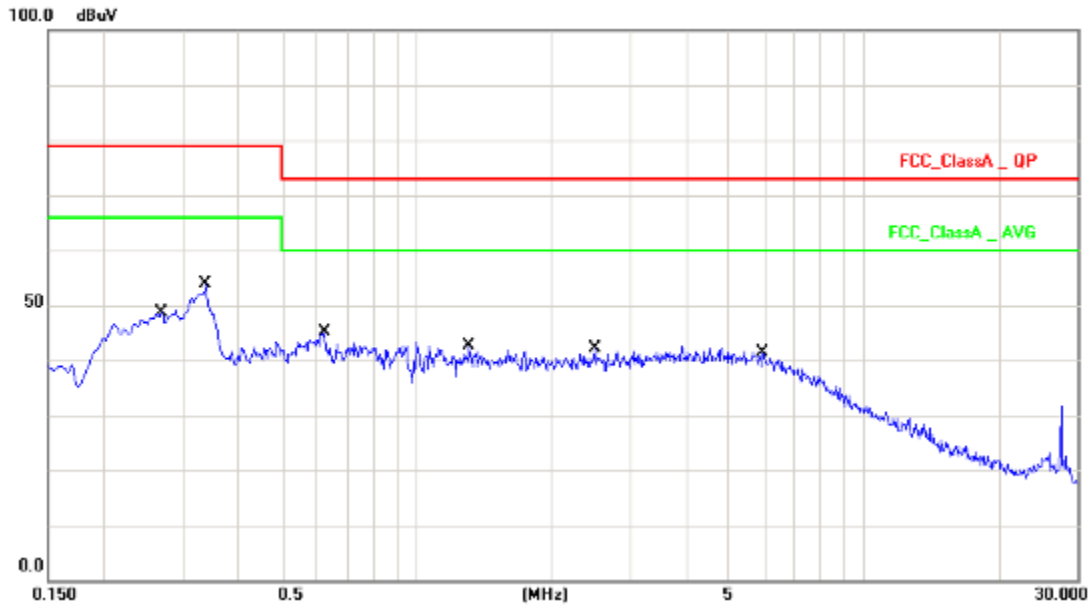
3.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
Test Receiver	R&S	ESCI	100565	2016.07.07	2017.07.06
AMN	R&S	ESH2-Z5	100182	2016.08.31	2017.08.30
Two-Line V-Network	R&S	ENV216	100325	/	/
ISN	FCC	FCC-TLISN-T2-02	20379	2016.03.26	2017.03.25
ISN	FCC	FCC-TLISN-T4-02	20380	2016.06.24	2017.06.24
ISN	FCC	FCC-TLISN-T8-02	20381	2016.03.26	2017.03.25
ISN	TESEQ	ISN ST08	30175	2016.03.26	2017.03.25
Current Probe	R&S	EZ-17	100303	2016.03.26	2017.03.25
Passive Voltage Probe	R&S	ESH2-Z3	100026	2016.03.26	2017.03.25
Pulse Limiter	R&S	ESH3-Z2	100529	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-004	2016.03.29	2017.03.28
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A



3.5. Test Result and Data

Test Mode :	Mode 1: Full system for DH-IPC-HDBW5830RP-Z with Adapter +POE		
AC Power :	AC 120V/60Hz	Phase :	LINE
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temperature :	26°C	Humidity :	50%
Pressure(mbar) :	1002	Date :	2016/09/01

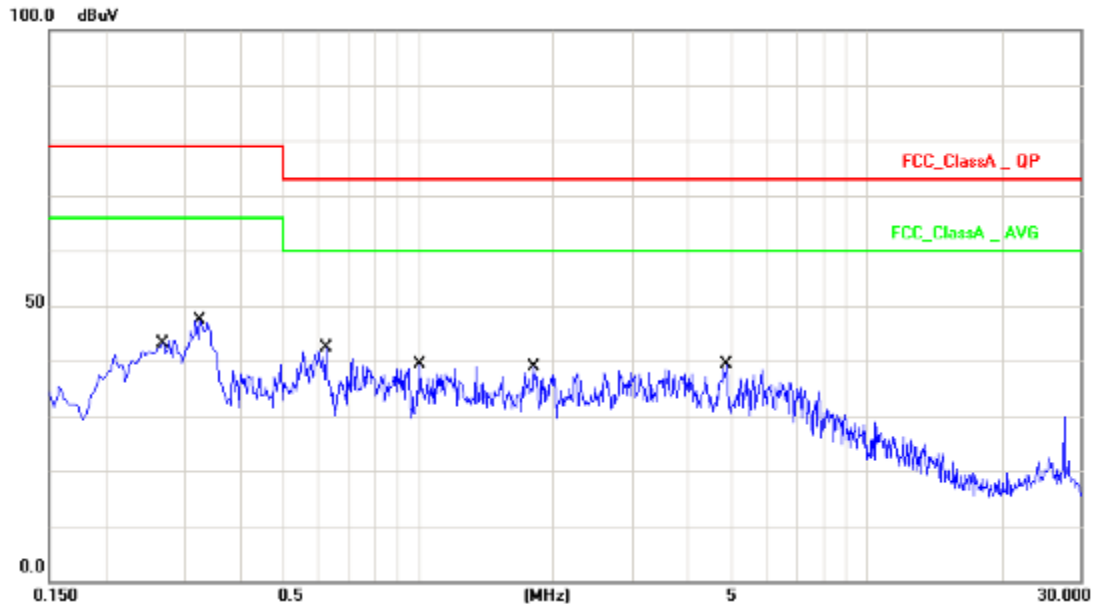


No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2700	10.13	32.43	42.56	79.00	-36.44	QP
2	0.2700	10.13	12.83	22.96	66.00	-43.04	AVG
3	0.3379	10.14	36.86	47.00	79.00	-32.00	QP
4	0.3379	10.14	17.27	27.41	66.00	-38.59	AVG
5	0.6220	10.15	27.47	37.62	73.00	-35.38	QP
6	0.6220	10.15	8.24	18.39	60.00	-41.61	AVG
7	1.3140	10.16	23.47	33.63	73.00	-39.37	QP
8	1.3140	10.16	5.51	15.67	60.00	-44.33	AVG
9	2.5020	10.18	23.19	33.37	73.00	-39.63	QP
10	2.5020	10.18	4.54	14.72	60.00	-45.28	AVG
11	5.9500	10.25	21.47	31.72	73.00	-41.28	QP
12	5.9500	10.25	3.34	13.59	60.00	-46.41	AVG

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Full system for DH-IPC-HDBW5830RP-Z with Adapter +POE		
AC Power :	AC 120V/60Hz	Phase :	NEUTRAL
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temperature :	26°C	Humidity :	50%
Pressure(mbar) :	1002	Date :	2016/09/01



No.	Frequency (MHz)	Factor (dB)	Reading (dBuV)	Level (dBuV)	Limit (dBuV)	Margin (dB)	Detector
1	0.2700	10.13	29.22	39.35	79.00	-39.65	QP
2	0.2700	10.13	9.89	20.02	66.00	-45.98	AVG
3	0.3260	10.14	32.90	43.04	79.00	-35.96	QP
4	0.3260	10.14	13.30	23.44	66.00	-42.56	AVG
5	0.6220	10.16	23.11	33.27	73.00	-39.73	QP
6	0.6220	10.16	5.15	15.31	60.00	-44.69	AVG
7	1.0100	10.18	20.24	30.42	73.00	-42.58	QP
8	1.0100	10.18	2.54	12.72	60.00	-47.28	AVG
9	1.8140	10.18	18.81	28.99	73.00	-44.01	QP
10	1.8140	10.18	2.31	12.49	60.00	-47.51	AVG
11	4.8740	10.26	18.12	28.38	73.00	-44.62	QP
12	4.8740	10.26	1.41	11.67	60.00	-48.33	AVG

Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Sun. Zhang



3.6. Test Photographs of Power Port

Front View



Rear View





4. Test of Radiated Emission

4.1. Test Limit

Below 1GHz (for digital device)

For unintentional device, according to CISPR PUB.22, for Class B digital devices, the general requirement of field strength of radiated emissions from intentional radiators at a distance of 10 meters shall not exceed the below table.

FREQUENCY (MHz)	dBuV/m (At 10m)	
	Class A	Class B
30 ~ 230	40	30
230 ~ 1000	47	37

Limit tables for non-digital device:

Class A Radiated Emission limit at 10m (for others)

Frequency (MHz)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	90	39
88 - 216	150	43.5
216 – 960	210	46.4
Above 960	300	49.5

Class B Radiated Emission limit at 3m (for others)

Frequency (MHz)	Field Strength Limit (uV/m)Q.P.	Field Strength Limit (dBuV/m)Q.P.
30 - 88	100	40
88 - 216	150	43.5
216 – 960	200	46
Above 960	500	54

Above 1GHz(for all device)

Frequency (MHz)	Class A (dBuV/m) (At 10m)		Class B (dBuV/m) (At 3m)	
	Average	Peak	Average	Peak
Above 1000	49.5	69.5	54	74

NOTE: (1) The lower limit shall apply at the transition frequencies.
 (2) Emission level (dBuV/m) = 20 log Emission level (uV/m).
 (3) The measurement above 1GHz is at close-in distances 3m, and determine the limit L2 corresponding to the close-in distance d2 by applying the following relation: $L2 = L1 (d1/d2)$, where L1 is the specified limit in microvolts per metre (uV/m) at the distance d1 (10m), L2 is the new limit for distance d2 (3m).
 So the new Class A limit above 1GHz at 3m is as following table:



Frequency (MHZ)	Class A (dBuV/m) (At 3m)	
	Average	Peak
Above 1000	60	80

According to FCC Part 15.33 (b), for an unintentional radiator, including a digital device, the spectrum shall be investigated from the lowest radio frequency signal generated or used in the device, without going below the lowest frequency for which a radiated emission limit is specified, up to the frequency shown in the following table:

Highest frequency generated or used in the device or on which the device operates or tunes (MHz)	Upper frequency of measurement range (MHz)
Below 1.75	30
1.75-108	1000
108-500	2000
500-1000	5000
Above 1000	5 th harmonic of the highest frequency or 40GHz, whichever is lower

4.2. Test Procedures

Procedure of Preliminary Test

- The equipment was set up as per the test configuration to simulate typical usage per the user's manual. When the EUT is a tabletop system, a wooden turntable with a height of 0.8 meters is used which is placed on the ground plane. When the EUT is a floor standing equipment, it is placed on the ground plane which has a 15 cm non-conductive covering to insulate the EUT from the ground plane.
- Support equipment, if needed, was placed as per ANSI C63.4.
- All I/O cables were positioned to simulate typical usage as per ANSI C63.4.
- The EUT received AC 120VAC/60Hz power source from the outlet socket under the turntable. All support equipment power received from another socket under the turntable.
- The antenna was placed at 3 or 10 meter away from the EUT as stated in ANSI C63.4. The antenna connected to the Spectrum Analyzer via a cable and at times a pre-amplifier would be used.
- The Analyzer / Receiver quickly scanned from 30MHz to 40GHz. The EUT test program was started. Emissions were scanned and measured rotating the EUT to 360 degrees and



positioning the antenna 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.

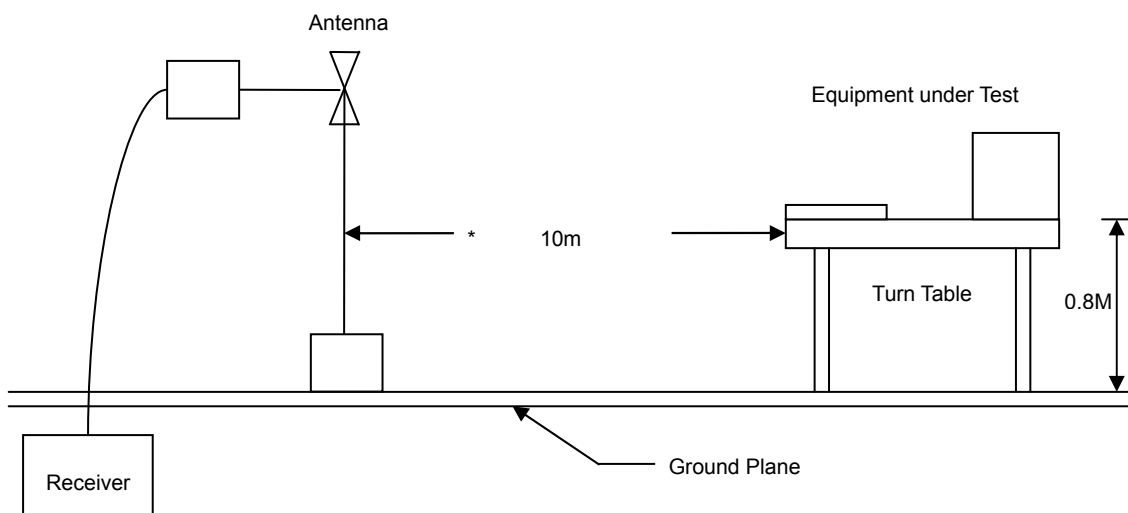
- Set the spectrum analyzer/ Receiver in the following setting as:
Below 1GHz:
RBW=120KHz / VBW=300KHz / Sweep=AUTO
Above 1GHz:
Peak: RBW=1MHz, VBW=3MHz / Sweep=AUTO
Average: RBW=1MHz / VBW=1.6Hz / Sweep=AUTO
- The worst configuration of EUT and cable of the above highest emission level were recorded for reference of the final test.

Procedure of Final Test

- EUT and support equipment were set up on the turntable as per the configuration with highest emission level in the preliminary test.
- The Analyzer / Receiver scanned from 30MHz to 40GHz. Emissions were scanned and measured rotating the EUT to 360 degrees, varying cable placement and positioning the antenna 1 or 1 to 4 meters above the ground plane, in both the vertical and the horizontal polarization, to maximize the emission reading level.
- Recording at least the six highest emissions. Emission frequency, amplitude, antenna position, polarization and turntable position were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. Below 1GHz the Q.P. reading and above 1GHz the Peak and Average reading are presented.
- The test data of the worst-case condition(s) was recorded.

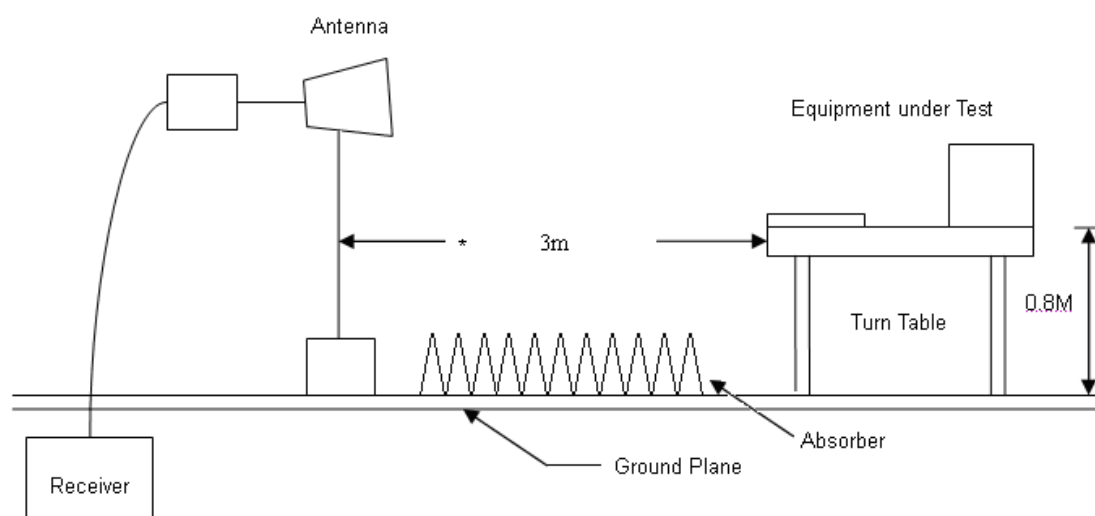
4.3. Typical test Setup

Below 1GHz Test Setup





Above 1GHz Test Setup



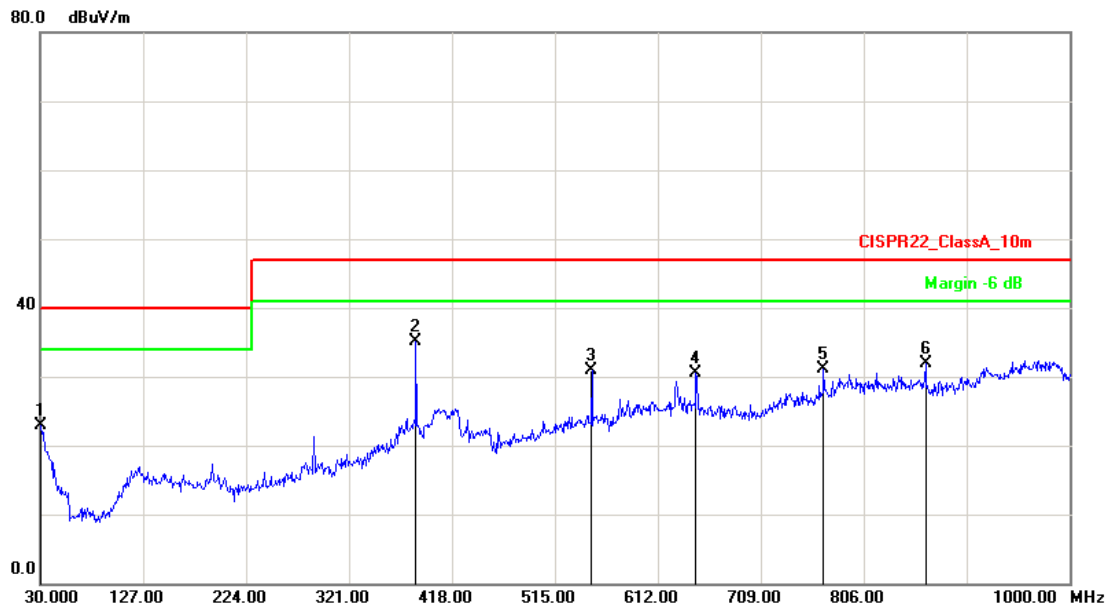
4.4. Measurement Equipment

Instrument/Ancillary	Manufacturer	Model No.	Serial No.	Calibration Date	Valid Date.
EMI Test Receiver	R&S	ESCI7	100968	2016.03.26	2017.03.25
Preamplifier	Agilent	87405B	My39500554	2016.03.26	2017.03.25
Preamplifier	Agilent	8449B	3008A02342	2016.03.26	2017.03.25
Bilog Antenna	Sunol Science	JB1	A072414-3	2016.07.16	2017.07.15
Broad-Band Horn Antenna	Schwarzbeck	BBHA9120D	9120D-618	2016.04.16	2017.04.15
Spectrum Analyzer	R&S	FSP40	100324	2016.03.26	2017.03.25
Temperature/ Humidity Meter	Zhicheng	ZC1-11	CEP-TH-001	2016.03.29	2017.03.28
EZ-EMC	Fala	Ver CT3A1	N/A	N/A	N/A



4.5. Test Result and Data (30MHz~1GHz)

Test Mode :	Mode 1: Full system for DH-IPC-HDBW5830RP-Z with Adapter +POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temp :	25℃	Humidity :	51%
Pressure(mbar) :	1002	Date :	2016/08/29

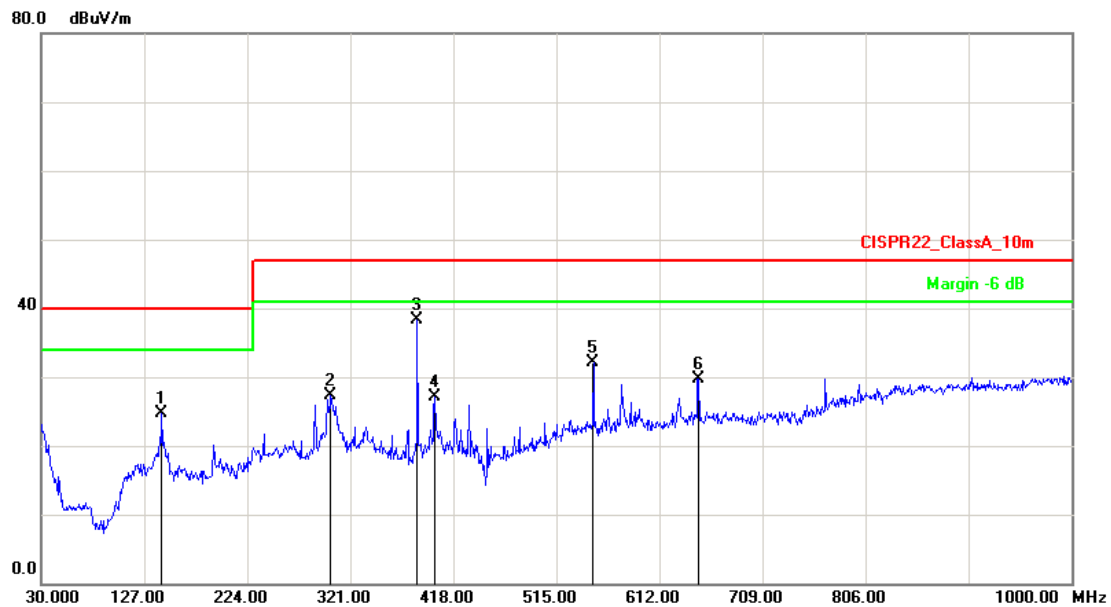


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	30.0000	-3.26	26.13	22.87	40.00	-17.13	QP	400	360
2	384.0500	-6.14	41.16	35.02	47.00	-11.98	QP	400	360
3	549.9198	-2.05	32.87	30.82	47.00	-16.18	QP	200	359
4	647.8899	-0.36	30.94	30.58	47.00	-16.42	QP	100	157
5	768.1698	1.52	29.57	31.09	47.00	-15.91	QP	400	241
6	864.2000	2.71	29.25	31.96	47.00	-15.04	QP	200	0

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Full system for DH-IPC-HDBW5830RP-Z with Adapter +POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temp :	25°C	Humidity :	51%
Pressure(mbar) :	1002	Date :	2016/08/29

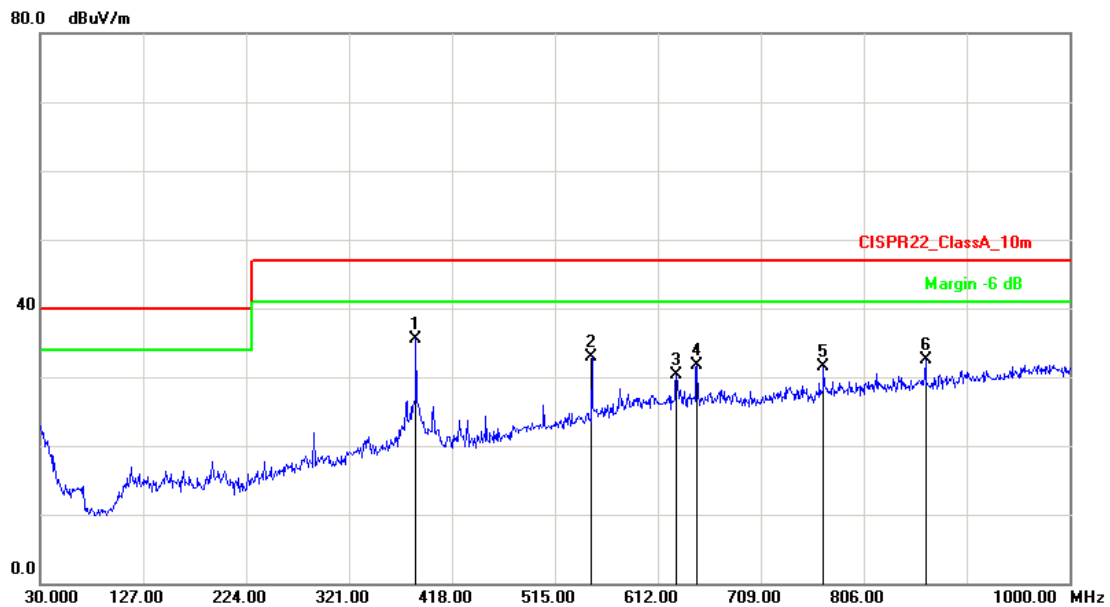


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	143.4900	-10.50	35.21	24.71	40.00	-15.29	QP	100	91
2	302.5699	-8.66	35.97	27.31	47.00	-19.69	QP	100	48
3	384.0500	-6.14	44.41	38.27	47.00	-8.73	QP	100	236
4	400.5400	-5.26	32.34	27.08	47.00	-19.92	QP	400	350
5	549.9198	-2.05	34.20	32.15	47.00	-14.85	QP	100	123
6	648.8600	-0.34	30.11	29.77	47.00	-17.23	QP	400	15

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for DH-IPC-HDBW5830RP-Z with POE		
DC Power :	POE 48V	Ant. Polarization:	Horizontal
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temp :	25°C	Humidity :	51%
Pressure(mbar) :	1002	Date :	2016/08/29

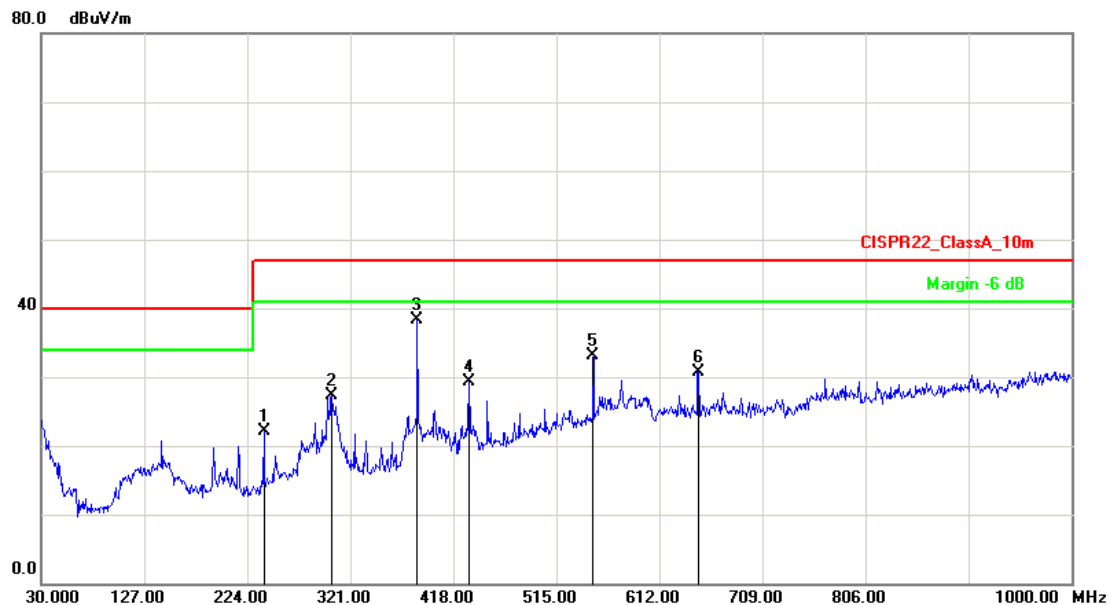


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	384.0500	-6.14	41.66	35.52	47.00	-11.48	QP	400	177
2	549.9198	-2.05	34.87	32.82	47.00	-14.18	QP	400	48
3	629.4600	-0.76	31.07	30.31	47.00	-16.69	QP	100	9
4	648.8600	-0.34	32.01	31.67	47.00	-15.33	QP	200	136
5	768.1698	1.52	30.07	31.59	47.00	-15.41	QP	400	0
6	864.2000	2.71	29.75	32.46	47.00	-14.54	QP	100	221

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for DH-IPC-HDBW5830RP-Z with POE		
DC Power :	POE 48V	Ant. Polarization:	Vertical
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temp :	25°C	Humidity :	51%
Pressure(mbar) :	1002	Date :	2016/08/29

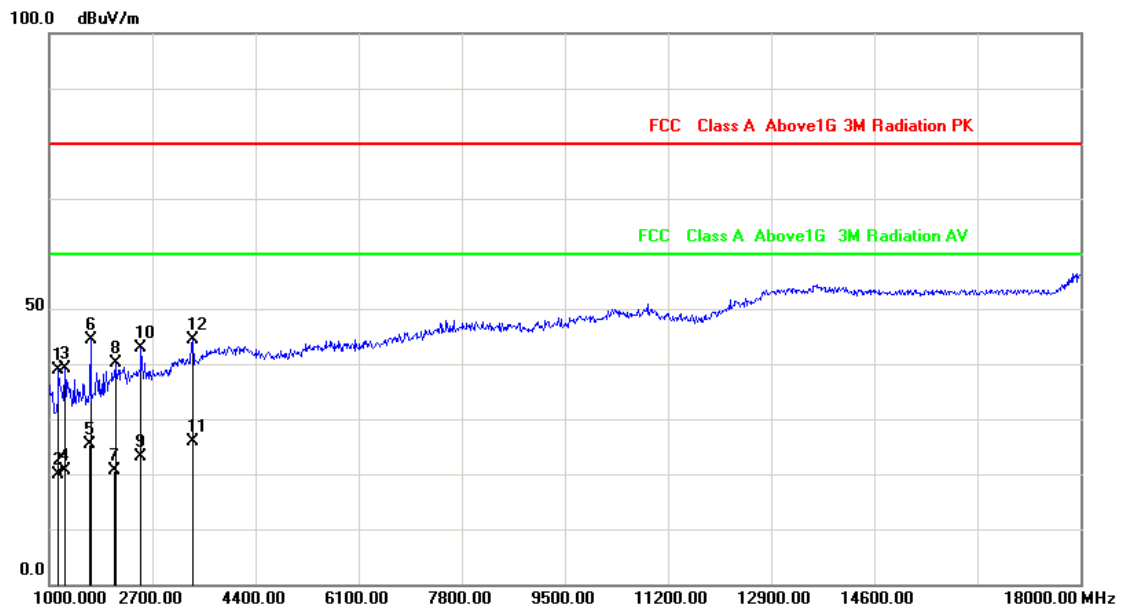


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	239.5200	-10.88	33.02	22.14	47.00	-24.86	QP	100	29
2	303.5400	-8.63	36.02	27.39	47.00	-19.61	QP	400	316
3	384.0500	-6.14	44.41	38.27	47.00	-8.73	QP	100	339
4	432.5500	-4.97	34.36	29.39	47.00	-17.61	QP	100	68
5	549.9198	-2.05	35.20	33.15	47.00	-13.85	QP	400	47
6	648.8600	-0.34	31.11	30.77	47.00	-16.23	QP	100	152

Note: Measurement Level = Reading Level + Correct Factor

**4.6. Test Result and Data (1GHz~18GHz)**

Test Mode :	Mode 1: Full system for DH-IPC-HDBW5830RP-Z with Adapter +POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Horizontal
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temp :	25°C	Humidity :	51%
Pressure(mbar) :	1002	Date :	2016/08/29

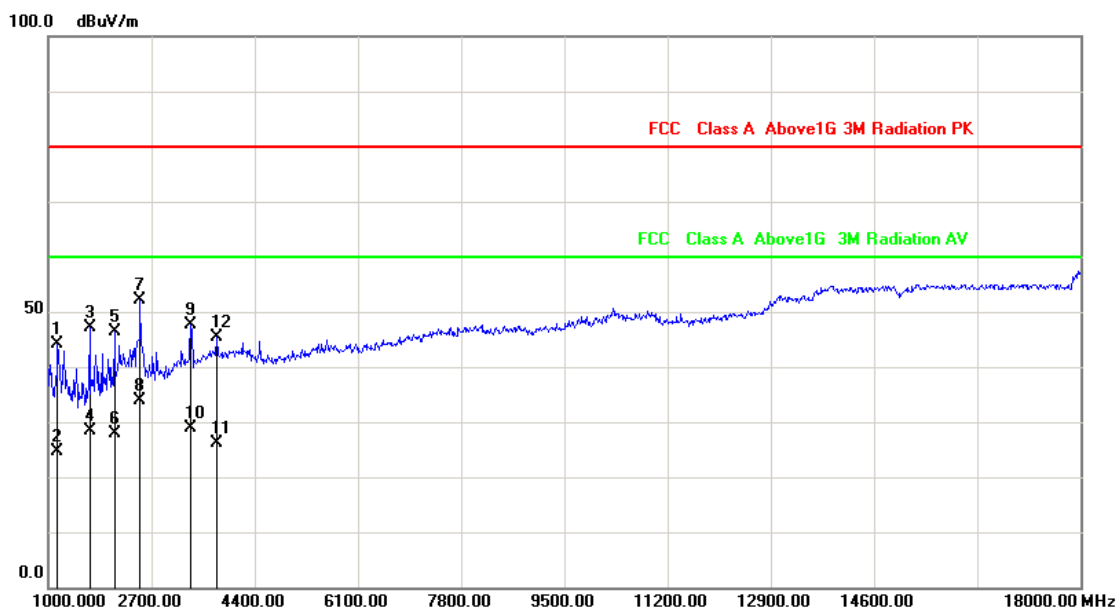


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1153.000	-16.65	55.49	38.84	80.00	-41.16	peak	200	29
2	1154.000	-16.65	36.58	19.93	60.00	-40.07	AVG	200	29
3	1255.000	-16.17	55.21	39.04	80.00	-40.96	peak	100	138
4	1256.000	-16.17	36.71	20.54	60.00	-39.46	AVG	100	138
5	1679.000	-14.00	39.50	25.50	60.00	-34.50	AVG	200	18
6	1680.000	-13.99	58.43	44.44	80.00	-35.56	peak	200	18
7	2087.000	-11.78	32.49	20.71	60.00	-39.29	AVG	200	79
8	2088.000	-11.78	51.94	40.16	80.00	-39.84	peak	200	79
9	2511.000	-9.92	33.16	23.24	60.00	-36.76	AVG	200	171
10	2513.000	-9.91	52.84	42.93	80.00	-37.07	peak	200	171
11	3360.000	-6.97	32.73	25.76	60.00	-34.24	AVG	100	67
12	3363.000	-6.96	51.44	44.48	80.00	-35.52	peak	100	67

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 1: Full system for DH-IPC-HDBW5830RP-Z with Adapter + POE		
AC Power :	AC 120V/60Hz	Ant. Polarization:	Vertical
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temp :	25°C	Humidity :	51%
Pressure(mbar) :	1002	Date :	2016/08/29

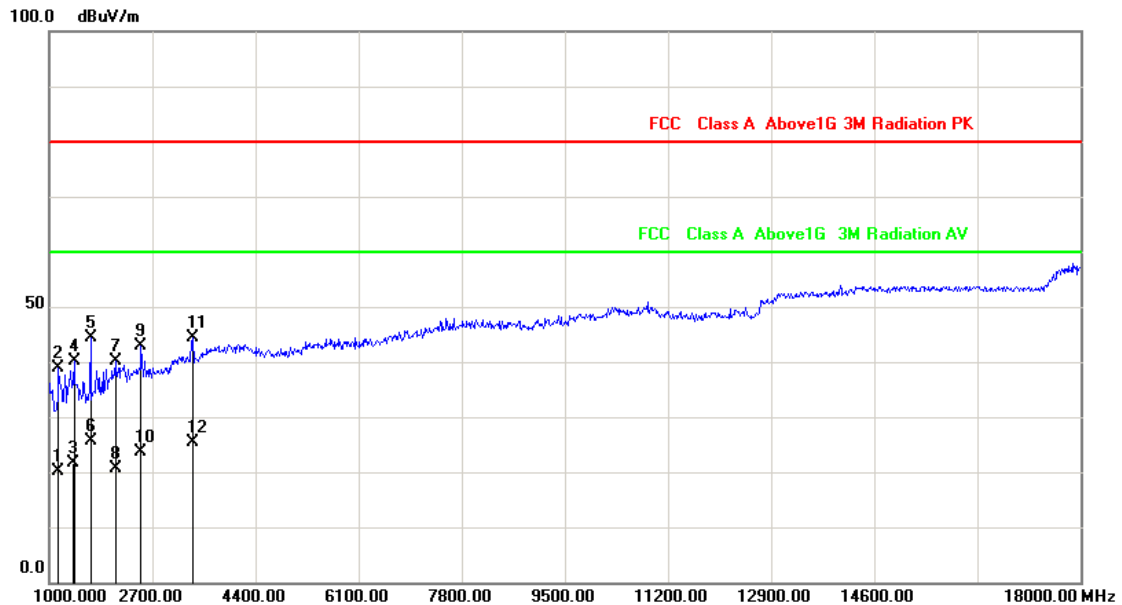


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1152.000	-16.66	60.69	44.03	60.00	-15.97	AVG	100	106
2	1153.000	-16.65	41.28	24.63	80.00	-55.37	peak	100	106
3	1680.000	-13.99	61.23	47.24	80.00	-32.76	peak	100	12
4	1681.000	-13.99	42.37	28.38	60.00	-31.62	AVG	100	12
5	2088.000	-11.78	58.21	46.43	80.00	-33.57	peak	100	359
6	2089.000	-11.77	39.56	27.79	60.00	-32.21	AVG	100	359
7	2513.000	-9.91	62.09	52.18	80.00	-27.82	peak	100	34
8	2514.000	-9.91	43.88	33.97	60.00	-26.03	AVG	100	34
9	3346.000	-7.03	54.65	47.62	80.00	-32.38	peak	100	61
10	3347.000	-7.03	35.79	28.76	80.00	-51.24	peak	100	61
11	3769.000	-5.22	31.24	26.02	60.00	-33.98	AVG	200	130
12	3771.000	-5.21	50.60	45.39	80.00	-34.61	peak	200	130

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for DH-IPC-HDBW5830RP-Z with POE		
DC Power :	POE 48V	Ant. Polarization:	Horizontal
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temp :	25°C	Humidity :	51%
Pressure(mbar) :	1002	Date :	2016/08/29

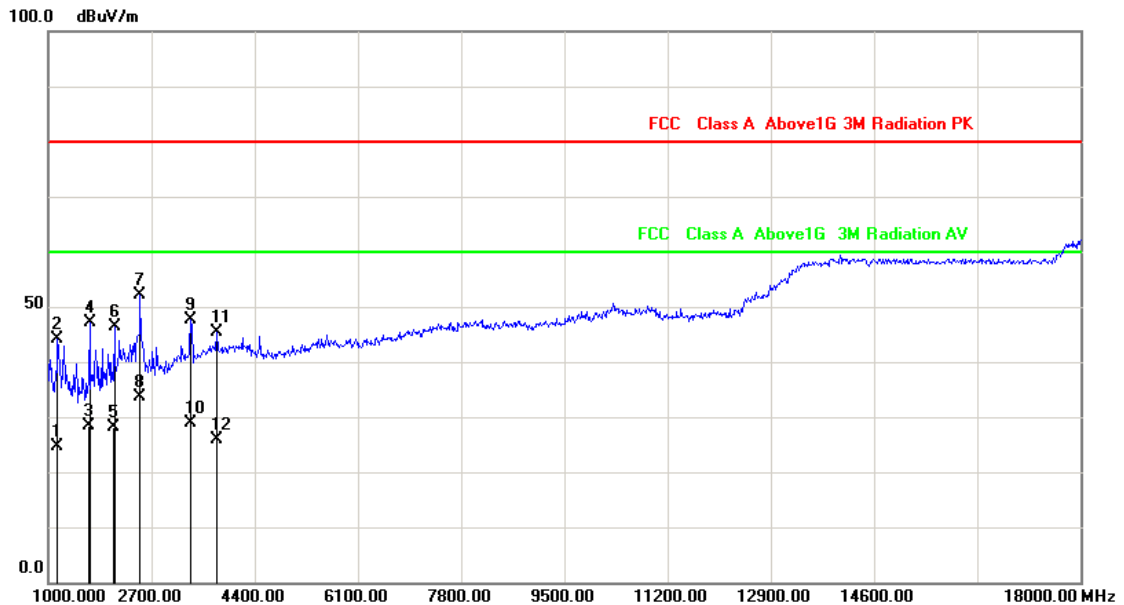


No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1152.000	-16.66	36.87	20.21	60.00	-39.79	AVG	200	29
2	1153.000	-16.65	55.49	38.84	80.00	-41.16	peak	200	29
3	1407.000	-15.46	37.12	21.66	60.00	-38.34	AVG	200	341
4	1408.000	-15.45	55.50	40.05	80.00	-39.95	peak	200	341
5	1680.000	-13.99	58.43	44.44	80.00	-35.56	peak	200	18
6	1681.000	-13.99	39.50	25.51	60.00	-34.49	AVG	200	18
7	2088.000	-11.78	51.94	40.16	80.00	-39.84	peak	200	79
8	2089.000	-11.77	32.47	20.70	60.00	-39.30	AVG	200	79
9	2513.000	-9.91	52.84	42.93	80.00	-37.07	peak	100	171
10	2514.000	-9.91	33.61	23.70	60.00	-36.30	AVG	100	171
11	3363.000	-6.96	51.44	44.48	80.00	-35.52	peak	100	67
12	3364.000	-6.96	32.23	25.27	60.00	-34.73	AVG	100	67

Note: Measurement Level = Reading Level + Correct Factor



Test Mode :	Mode 2: Full system for DH-IPC-HDBW5830RP-Z with POE		
DC Power :	POE 48V	Ant. Polarization:	Vertical
Equipment :	IP CAMERA	Model No :	DH-IPC-HDBW5830RP-Z
Temp :	25°C	Humidity :	51%
Pressure(mbar) :	1002	Date :	2016/08/29



No.	Frequency (MHz)	Factor (dB/m)	Reading (dBuV)	Level (dBuV/m)	Limit (dBuV/m)	Margin (dB)	Det.	Height (cm)	Azimuth (deg)
1	1152.000	-16.66	41.29	24.63	60.00	-35.37	AVG	100	106
2	1153.000	-16.65	60.68	44.03	80.00	-35.97	peak	100	106
3	1679.000	-14.00	42.37	28.37	60.00	-31.63	AVG	100	12
4	1680.000	-13.99	61.23	47.24	80.00	-32.76	peak	100	12
5	2087.000	-11.78	39.86	28.08	60.00	-31.92	AVG	100	359
6	2088.000	-11.78	58.21	46.43	80.00	-33.57	peak	100	359
7	2513.000	-9.91	62.09	52.18	80.00	-27.82	peak	100	34
8	2514.000	-9.91	43.51	33.60	60.00	-26.40	AVG	100	34
9	3346.000	-7.03	54.65	47.62	80.00	-32.38	peak	100	61
10	3347.000	-7.03	35.82	28.79	60.00	-31.21	AVG	100	61
11	3771.000	-5.21	50.60	45.39	80.00	-34.61	peak	200	130
12	3772.000	-5.21	31.07	25.86	60.00	-34.14	AVG	200	130

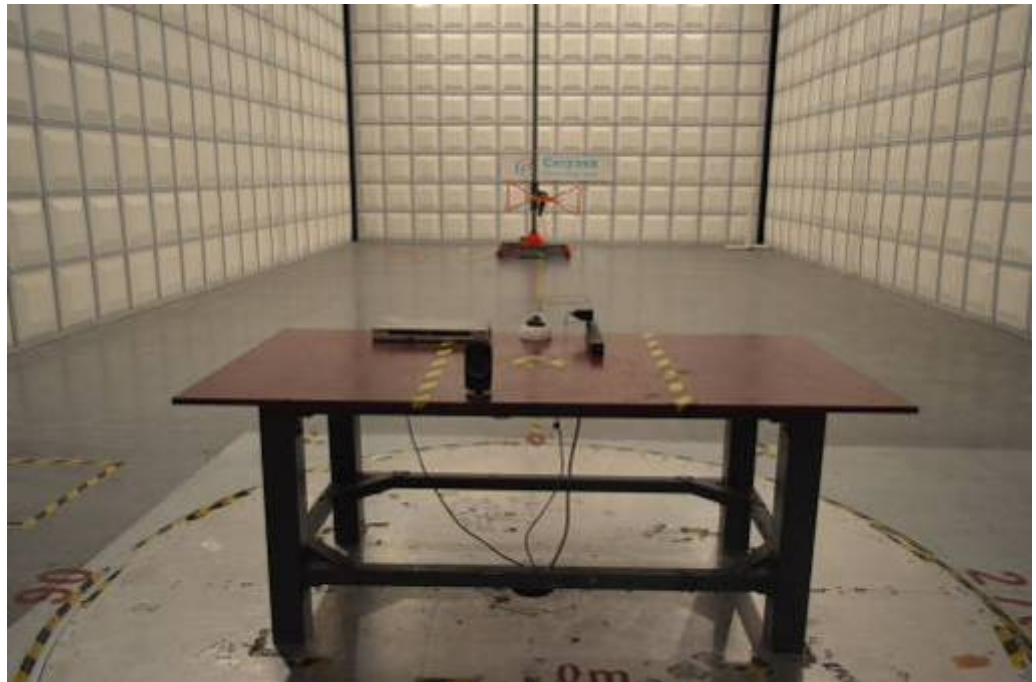
Note: Measurement Level = Reading Level + Correct Factor

Test engineer: Sun. Zhang

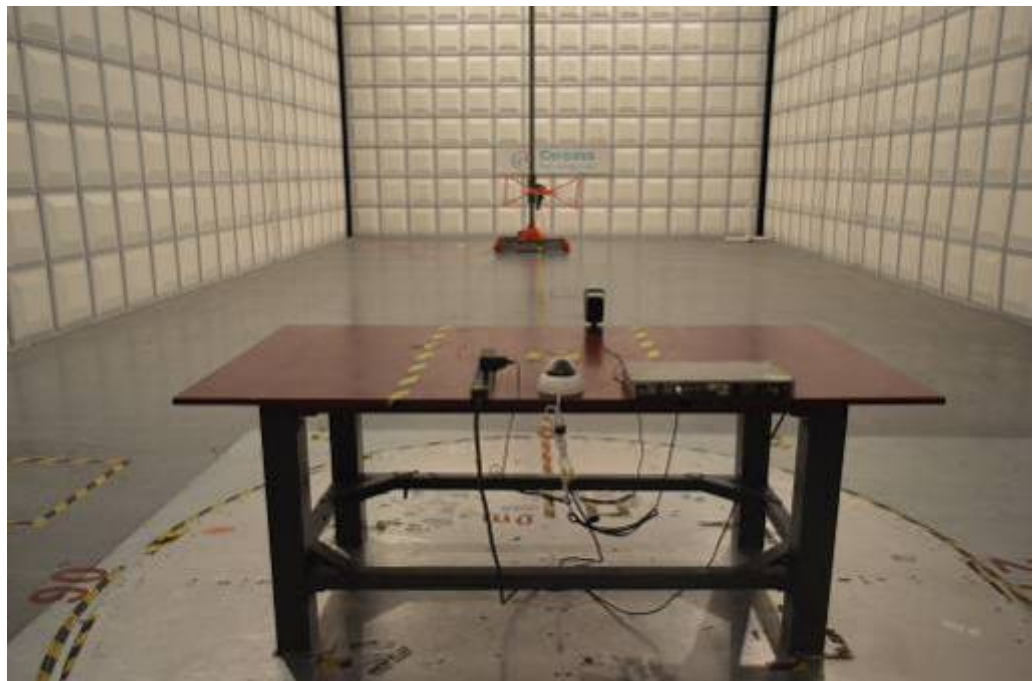


4.7. Test Photographs (30MHz~1GHz)

Front View



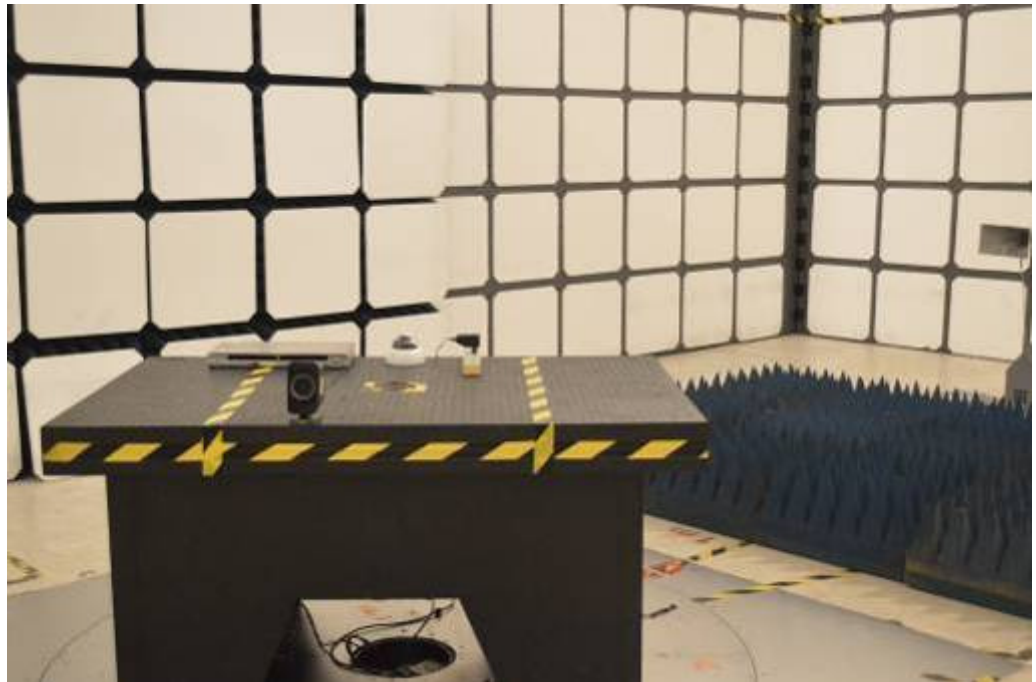
Rear View



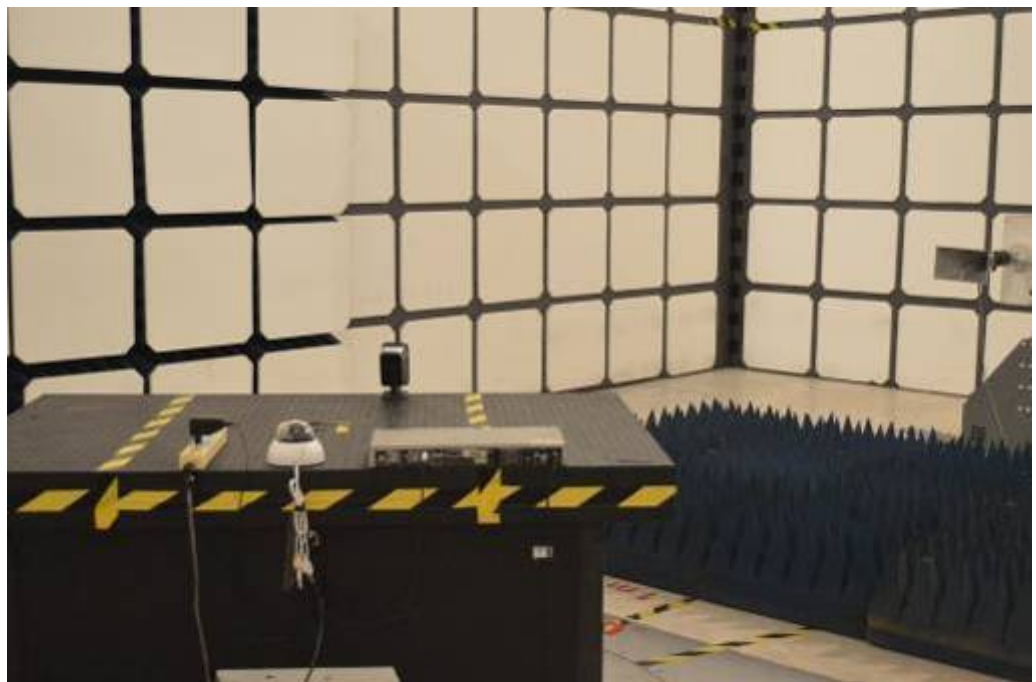


4.8. Test Photographs (1GHz~18GHz)

Front View



Rear View





5. Photographs of EUT

1) EUT Photo(DH-IPC-HDBW5830RP-Z)



2) EUT Photo





3) EUT Photo



4) EUT Photo





5) EUT Photo



6) EUT Photo(DH-IPC-HDBW5231RP-Z)

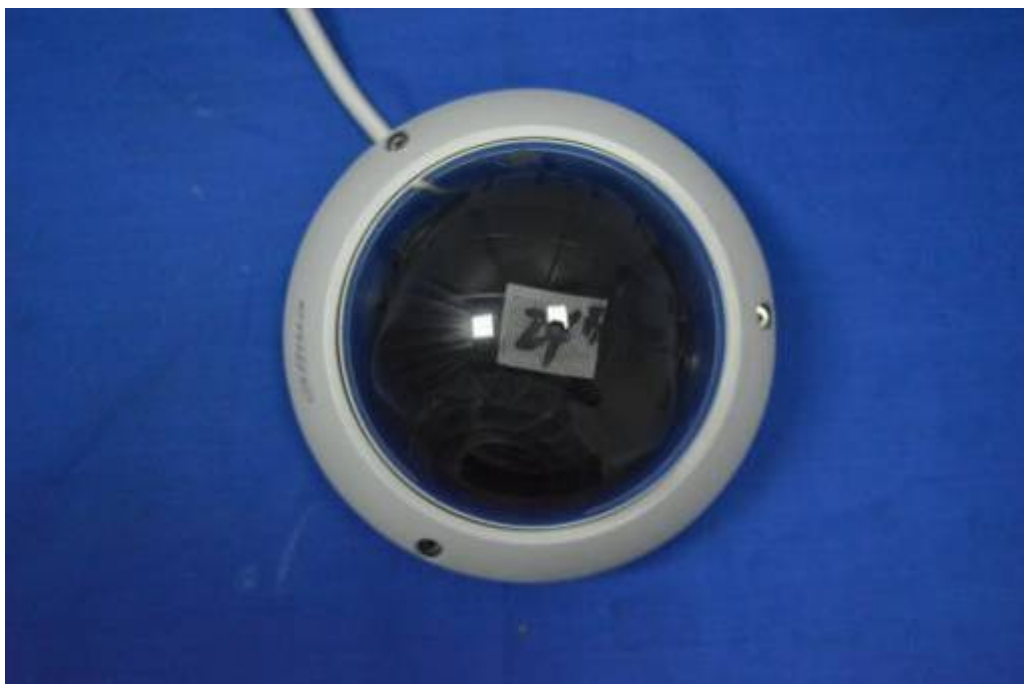




7) EUT Photo



8) EUT Photo





9) EUT Photo



10) EUT Photo





11) EUT Photo(DH-IPC-HDBW5431RP-Z)



12) EUT Photo





13) EUT Photo



14) EUT Photo





15) EUT Photo



16) EUT Photo(DH-IPC-HDBW2230RP-ZAS)





17) EUT Photo



18) EUT Photo





19) EUT Photo



20) EUT Photo





21) EUT Photo(Adapter)



22) EUT Photo





23) EUT Photo



24) EUT Photo

