



Test Report issued under the responsibility of:



TEST REPORT

IEC 62368-1

Audio/video, information and communication technology equipment

Part 1: Safety requirements

Report Number : SHES241002064903-M2
Date of issue..... : 2024-10-23; Amendment 1: 2024-11-19; Amendment 2: 2024-12-31
Total number of pages : 9 pages

Name of Testing Laboratory preparing the Report..... : SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Applicant's name : Hangzhou Hikvision Digital Technology Co., Ltd.
Address..... : No. 555 Qianmo Road, Binjiang District, Hangzhou 310052, China

Test specification:

Standard..... : IEC 62368-1:2014
Test procedure : CB Scheme
Non-standard test method : N/A

TRF template used..... : IECEE OD-2020-F1:2021, Ed.1.4

Test Report Form No. : IEC62368_1D

Test Report Form(s) Originator .. : UL(US)

Master TRF..... : Dated 2022-04-14

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General disclaimer:

The test results presented in this report relate only to the object tested.

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Test Item description		Ultra High Definition Decoder Server
Trade Mark(s)		HIKVISION
Manufacturer.....		Same as applicant
Model/Type reference		See page 8
Ratings		See page 8
Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):		
<input checked="" type="checkbox"/>	CB Testing Laboratory:	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing location/ address		588 West Jindu Road, Xinqiao, Songjiang, 201612 Shanghai, China.
Tested by (name, function, signature)		Emilien Li Project Engineer 
Approved by (name, function, signature)		Leo Wang Reviewer 
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address		
Tested by (name, function, signature)		
Approved by (name, function, signature)		
<input type="checkbox"/>	Testing procedure: CTF Stage 2:	
Testing location/ address		
Tested by (name, function, signature)		
Witnessed by (name, function, signature).....		
Approved by (name, function, signature)		
<input type="checkbox"/>	Testing procedure: CTF Stage 3 :	
<input type="checkbox"/>	Testing procedure: CTF Stage 4:	
Testing location/ address		
Tested by (name, function, signature)		
Witnessed by (name, function, signature).....		
Approved by (name, function, signature)		
Supervised by (name, function, signature)		

List of Attachments (including a total number of pages in each attachment): N/A	
Summary of testing: N/A	
Tests performed (name of test and test clause): N/A	Testing location: N/A
Summary of compliance with National Differences (List of countries addressed): 1. EU Group Differences (EN 62368-1:2014+A11:2017) 2. EU Special National Conditions, EU A-deviations: DE, DK, FI, GB, IE, NO, SE Explanation of used codes: DE=Germany, DK=Denmark, FI=Finland, GB= United Kingdom, IE=Ireland, NO=Norway, SE=Sweden <input checked="" type="checkbox"/> The product fulfils the requirements of EN 62368-1:2014+A11:2017 , which have been considered in original CB Test Report Ref. No. SHES241002064901, dated on 2024-10-23, CB Test Report Ref. No. SHES241002064902-M1, dated on 2024-11-19 and this report.	
Use of uncertainty of measurement for decisions on conformity (decision rule): <input checked="" type="checkbox"/> No decision rule is specified by the IEC standard, when comparing the measurement result with the applicable limit according to the specification in that standard, The decisions on conformity are made without applying the measurement uncertainty ("simple acceptance" decision rule, previously known as "accuracy method"), <input type="checkbox"/> Other:... (to be specified, for example when required by the standard or client, or if national accreditation requirements apply)	
Information on uncertainty of measurement: The uncertainties of measurement are calculated by the laboratory based on application of criteria given by OD-5014 for test equipment and application of test methods, decision sheets and operational procedures of IECEE, IEC Guide 115 provides guidance on the application of measurement uncertainty principles and applying the decision rule when reporting test results within IECEE scheme, noting that the reporting of the measurement uncertainty for measurements is not necessary unless required by the test standard or customer, Calculations leading to the reported values are on file with the NCB and testing laboratory that conducted the testing.	

Copy of marking plate:

The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective NCBs that own these marks.

Marking for model DS-6908UDI(C)

HIKVISION

Ultra High Definition Decoder Server

Model: DS-6908UDI(C)

SN: C12345678



XXXXXXXX

I/P: 100-120V~/200-240V~, 50/60Hz, 1.1A MAX

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
 (2) this device must accept any interference received, including interference that may cause undesired operation.

Manufacturer: Hangzhou Hikvision Digital Technology Co., Ltd.

Address: No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China

HDMI™



Made in China

SN: C12345678



C12345678



C12345678



C12345678

Marking for model DS-6916UDI(C)

HIKVISION

Ultra High Definition Decoder Server

Model: DS-6916UDI(C)

SN: C12345678



XXXXXXXX

I/P: 100-120V~/200-240V~, 50/60Hz, 1.6A MAX

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
 (2) this device must accept any interference received, including interference that may cause undesired operation.

Manufacturer: Hangzhou Hikvision Digital Technology Co., Ltd.

Address: No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China

HDMI™



Made in China

Marking for model DS-6904UDI(C)

HIKVISION**Ultra High Definition Decoder Server**

Model: DS-6904UDI(C)

SN: C12345678



XXXXXXXXXX

I/P: 100-120V~/200-240V~, 50/60Hz, 1.1A MAX

HDMI™

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.



Manufacturer: Hangzhou Hikvision Digital Technology Co., Ltd.

Made in China

Address: No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China

Remark:

- 1) The Height of CE logo shall not be less than 5 mm; Height of WEEE logo shall not be less than 7 mm.
- 2) The marking plates for other models are of the same pattern except for model name and Rating.
- 3) As declared by the applicant, the importer (and manufacturer, if it is different)'s name, registered trade name or registered trade mark and the postal address will be marked on the products before being placed on the market. The contact details shall be in a language easily understood by end-users and market surveillance authorities.

TEST ITEM PARTICULARS:	
Classification of use by	<input checked="" type="checkbox"/> Ordinary person <input checked="" type="checkbox"/> Instructed person <input checked="" type="checkbox"/> Skilled person <input checked="" type="checkbox"/> Children likely to be present
Supply Connection	<input checked="" type="checkbox"/> AC Mains <input type="checkbox"/> DC Mains <input type="checkbox"/> External Circuit - not Mains connected - <input type="checkbox"/> ES1 <input type="checkbox"/> ES2 <input type="checkbox"/> ES3
Supply % Tolerance	<input checked="" type="checkbox"/> +10%/-10% <input type="checkbox"/> +20%/-15% <input type="checkbox"/> other:
Supply Connection – Type	<input checked="" type="checkbox"/> pluggable equipment type A - <input type="checkbox"/> non-detachable supply cord <input checked="" type="checkbox"/> appliance coupler <input type="checkbox"/> direct plug-in <input type="checkbox"/> mating connector <input type="checkbox"/> pluggable equipment type B - <input type="checkbox"/> non-detachable supply cord <input type="checkbox"/> appliance coupler <input type="checkbox"/> permanent connection <input type="checkbox"/> mating connector <input type="checkbox"/> other: not directly connected to mains
Considered current rating of protective device as part of building or equipment installation.....	16 A; 20A Installation location: <input checked="" type="checkbox"/> building; <input type="checkbox"/> equipment
Equipment mobility.....	<input checked="" type="checkbox"/> movable <input type="checkbox"/> hand-held <input type="checkbox"/> transportable <input type="checkbox"/> stationary <input type="checkbox"/> for building-in <input type="checkbox"/> direct plug-in <input type="checkbox"/> rack-mounting <input type="checkbox"/> wall-mounted
Over voltage category (OVC)	<input type="checkbox"/> OVC I <input checked="" type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input type="checkbox"/> other:
Class of equipment	<input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Class II with functional earthing <input type="checkbox"/> Not classified
Access location	<input type="checkbox"/> restricted access location <input checked="" type="checkbox"/> N/A
Pollution degree (PD)	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3
Manufacturer's specified maximum operating ambient	50 °C
IP protection class	<input checked="" type="checkbox"/> IPX0 <input type="checkbox"/>
Power Systems	<input checked="" type="checkbox"/> TN <input checked="" type="checkbox"/> TT <input type="checkbox"/> IT - V L-L <input type="checkbox"/> dc mains <input type="checkbox"/> N/A
Altitude during operation (m)	<input type="checkbox"/> 2000 m or less <input checked="" type="checkbox"/> 5000m
Altitude of test laboratory (m)	<input checked="" type="checkbox"/> 2000 m or less <input type="checkbox"/> m

Mass of equipment (kg)	<input type="checkbox"/> : (<=1kg); <input checked="" type="checkbox"/> : 3,67 kg(<=7kg) for model name: DS-6908UDI(C) 1,3kg for model name: DS-6904UDI(C) 5,6 kg for model name: DS-6916UDI(C) <input type="checkbox"/> : (>7kg, <=25kg); <input type="checkbox"/> : (>25kg)
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.....	N/A
Date (s) of performance of tests	N/A
General remarks:	
<p>"(See Enclosure #)" refers to additional information appended to the report.</p> <p>"(See appended table)" refers to a table appended to the report.</p> <p>Throughout this report a <input checked="" type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.</p> <p>This document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at http://www.sgs.com/en/Terms-and-Conditions.aspx and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Document.aspx. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein.</p> <p>Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law.</p> <p>Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.</p>	
Manufacturer's Declaration per sub-clause 4.2.5 of IEC 60068-2-1:	
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.....	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> Not applicable Factory declaration letter.pdf, dated on 2024-10-14.
When differences exist; they shall be identified in the General product information section.	

Name and address of factory (ies)	1. Hangzhou Hikvision Technology Co., Ltd. No. 700, Dongliu Road, Binjiang District, Hangzhou City, Zhejiang, 310052, China 2. Hangzhou Hikvision Electronics Co., Ltd. No. 299, Qiushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou, Zhejiang, 311500, China 3. Chongqing Hikvision technology Co., Ltd. No. 118, Haikang Road, Area C, Jianqiao Industrial Park, Dadukou District, Chongqing, 401325, China
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General product information and other remarks:
Product Description –

Functions	The equipment under test is a Class I Ultra High Definition Decoder Server which powered by certified built-in power supply.
Material of enclosure	Metal
Others	Indoor use only

Ratings and principal characteristics: 100-120 V a.c./ 200-240 V a.c.; 50/60 Hz, Class I		
Model / Type Ref		Rated Current:
DS-6904UDI(C)	DS-6908UDI(C)	1,1 A Max; 1,6 A Max;
DS-6910UDI(C)	DS-6912UDI(C)	
DS-6916UDI(C)	DS-B3*-*****	
DS-69**UDI*****	DS-C***-*****	
DS-DT60*-*****	DS-DR31*-*****	
DS-****KI*****	DS-D42****-*****	
*="A-Z" or "0-9" or "-" or "/" or "_" or Blank		

Amendment 1:

The original CB Test Report Ref. No. SHES241002064901, dated on 2024-10-23 was modified to include following changes and/or additions:

- DS-6904UDI(C) update power supply and terminals.

After comparison, Full testing was considered to perform for differences.

Amendment 2 Report:

The original Test Report Ref. No. SHES241002064901, dated on 2024-10-23 and SHES241002064902-M1, dated on 2024-11-19 was modified to include following changes and/or additions:

-Add some new models. The new modules are similar to the original model, just only model name is different. Please see above model table in bold font for details.

After evaluation, no additional test was considered necessary.

This test report is not valid without the original CB Test Report Ref. No. SHES241002064901, dated on 2024-10-23 and SHES241002064902-M1, dated on 2024-11-19.

Model Differences –

DS-6904UDI(C) and DS-6908UDI(C) models are identical except for model name ,interface (different numbers of HDMI ports) and power supply.

DS-6910UDI(C), DS-6912UDI(C) and DS-6916UDI(C) models are identical except for model name and interface (different numbers of HDMI ports).

DS-6908UDI(C) and DS-6916UDI(C) models are identical except for model name, interface (different numbers of HDMI ports), Size, Number of DC fans, see attachment 1 photos.

Additional application considerations – (Considerations used to test a component or sub-assembly) –
N/A

- - - End of Report - - -