



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 :	SHES200400580701-M2
Date of issue..... :	2020-04-21; Amendment 1: 2021-05-18; Amendment 2: 2022-05-05
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-F1:2020, Ed.1.3
Test Report Form No.	IEC62368_1D
Test Report Form(s) Originator	UL(US)
Master TRF	Dated 2021-02-04

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Test Item description	Digital Video Recorder
Trade Mark	HIKVISION or HiLook or HiWatch
Manufacturer.....	Same as applicant
Model/Type reference	See page 8
Ratings	12 V d.c., 1,3 A, 16 W; Class III

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 
<hr/>		
<input type="checkbox"/>	Testing procedure: CTF Stage 1:	
Testing location/ address..... :		
Tested by (name, function, signature).....:		
Approved by (name, function, signature).....:		
<hr/>		
<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).....:		
<hr/>		
<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 The product fulfils the above requirements. which have been considered in original CB test report Ref. SHES200400580701, dated on 2020-04-21, SHES200400580701-M1, dated on 2021-05-18 and this report.	

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 National Certification Body that own these marks.

Marking for DS-7104HGHI-K1 and DS-7204HGHI-K1

**Remark:**

1. 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 place on the market. The contact details shall be in a language easily understood by end-users and market surveillance authorities.
2. The Height of CE logo shall not be less than 5 mm; Height of WEEE logo shall not be less than 7 mm.
3. The marking plates for other models are of the same pattern except model number.

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 type="checkbox"/> Children likely to be present
Supply Connection..... :	<input type="checkbox"/> AC Mains <input type="checkbox"/> DC Mains <input checked="" type="checkbox"/> External Circuit - not Mains connected - <input checked="" type="checkbox"/> ES1 <input type="checkbox"/> ES2 <input type="checkbox"/> ES3
Supply % Tolerance :	<input type="checkbox"/> +10%/-10% <input type="checkbox"/> +20%/-15% <input type="checkbox"/> +____%/ -____% <input checked="" type="checkbox"/> None
Supply Connection – Type :	<input type="checkbox"/> pluggable equipment type A - <input type="checkbox"/> non-detachable supply cord <input 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 checked="" type="checkbox"/> other: not Mains connected.
Considered current rating of protective device as part of building or equipment installation..... :	____-____ A; Installation location: <input 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 checked="" type="checkbox"/> wall-mounted
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 Mains connected
Class of equipment..... :	<input type="checkbox"/> Class I <input type="checkbox"/> Class II <input checked="" type="checkbox"/> Class III
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:	55°C
IP protection class..... :	<input checked="" type="checkbox"/> IPX0 <input type="checkbox"/> IP____
Power Systems..... :	<input type="checkbox"/> TN <input type="checkbox"/> TT <input type="checkbox"/> IT - ____ V _{L-L}
Altitude during operation (m)..... :	<input checked="" type="checkbox"/> 2000 m or less <input type="checkbox"/> ____ m
Altitude of test laboratory (m)..... :	<input checked="" type="checkbox"/> 2000 m or less <input type="checkbox"/> ____ m
Mass of equipment (kg)..... :	<input checked="" type="checkbox"/> DS-7104HGHI-K1: 0,5kg; DS-7204HGHI-K1: 0,59kg
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. "(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
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies)..... :	<ol style="list-style-type: none"> Hangzhou Hikvision Technology Co., Ltd. No.700, Dongliu Road, Binjiang District, Hangzhou City, Zhejiang, 310052, China Hangzhou Hikvision Electronics Co., Ltd. No.299, Qiushi Road, Tonglu Economic Development Zone, Tonglu County, Hangzhou, Zhejiang, 310052, China Hangzhou Hikvision Digital Technology Co., Ltd No.555 Qianmo Road, Binjiang District, Hangzhou, 310052, China. Chongqing Hikvision technology Co., Ltd. No. 118, Haikang Road, Area C, Jianqiao Industrial Park, Dadukou District, Chongqing, 401325, China
GENERAL PRODUCT INFORMATION:	
Product Description –	
Functions	The EUT is a Digital Video Recorder which power by 12 V d.c. LPS Output of external power supply.

Material of enclosure	Metal, Plastic
Model difference	White plastic enclosure products like DS-7104HGHI-K1 are identical with each other except model name, marketing purpose and trade mark. Black metal enclosure products like DS-7204HGHI-K1 are identical with each other except model name, marketing purpose and trade mark.
Interface	Video interfacex4, HDMIX1, VGAX1, Audio in/outx1, Lan portx1, USBX2

Model list:

White plastic enclosure:		
DS-7104HGHI-K1	DS-7104HGHI-K1UHK	DS-7104HGHI-K1CKV
DS-7104HGHI-K1UVS	DS-7104HGHI-K1KVO	DS-7104HGHI-K1HUN
DVR-104G-K1	DVR-104G-K1UHK	DVR-104G-K1CKV
DVR-104G-K1UVS	DVR-104G-K1KVO	DVR-104G-K1HUN
HWD-5104H	HWD-5104HUHK	HWD-5104HCKV
HWD-5104HUVS	HWD-5104HKVO	HWD-5104HHUN
DVR-104G-F1	DVR-104G-F1UHK	DVR-104G-F1CKV
DVR-104G-F1UVS	DVR-104G-F1KVO	DVR-104G-F1HUN
DVR-104G-M1	HWD-5104H-G4	HWD-5104MH-G4
iDS-7104HGHI-M1	--	--
Black metal enclosure:		
DS-7204HGHI-K1	DS-7204HGHI-K1UHK	DS-7204HGHI-K1CKV
DS-7204HGHI-K1UVS	DS-7204HGHI-K1KVO	DS-7204HGHI-K1HUN
DVR-204G-K1	DVR-204G-K1UHK	DVR-204G-K1CKV
DVR-204G-K1UVS	DVR-204G-K1KVO	DVR-204G-K1HUN
HWD-5204H	HWD-5204HUHK	HWD-5204HCKV
HWD-5204HUVS	HWD-5204HKVO	HWD-5204HHUN
DVR-204G-F1	DVR-204G-F1UHK	DVR-204G-F1CKV
DVR-204G-F1UVS	DVR-204G-F1KVO	DVR-204G-F1HUN
DVR-4CH-1MP	DVR-204G-M1	iDS-7204HGHI-M1

Amendment 1 Report:

The original Test Report Ref. No. SHES200400580701, dated on 2020-04-21 were modified to include following changes and/or additions:

- Add one model DVR-4CH-1MP which is identical with original model DVR-204G-F1 except for model name and marketing purpose.

-Add one factory:

“Chongqing Hikvision technology Co., Ltd.

No. 118, Haikang Road, Area C, Jianqiao Industrial Park, Dadukou District, Chongqing, 401325, China”.

After comparison, no additional test was considered necessary.

This test report is not valid without the original CB Test Report Ref. SHES200400580701, dated on 2020-04-21.

Amendment 2 Report:

The original Test Report Ref. No. SHES200400580701, dated on 2020-04-21, SHES200400580701-M1, dated on 2021-05-18 were modified to include following changes and/or additions:

- Add six new models which can refer to the above table in bold which are identical to previous models except for model name, marketing purpose and trade mark.

- Add two trade marks, please see page 2 for details.

- Update the model differences.

After comparison, no additional test was considered necessary.

This test report is not valid without the original CB Test Report Ref. SHES200400580701, dated on 2020-04-21, and SHES200400580701-M1, dated on 2021-05-18.

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

*******End of report*******