



TEST REPORT
IEC 60950-1
Information technology equipment – Safety –
Part 1: General requirements

Report Number..... : SHES140900427903
Date of issue..... : 2014-09-12; Amendment - 1, 2016-04-20; Amendment - 2, 2016-08-12
Total number of pages : 8 pages

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

Test specification:
Standard : IEC 60950-1: 2005 (Second Edition) + Am 1: 2009 + Am 2: 2013
Test procedure : SGS-CSTC
Non-standard test method : N/A

Test Report Form No. : IEC60950_1F
Test Report Form(s) Originator : SGS Fimko Ltd
Master TRF : Dated 2014-02

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This report is not valid as a CB Test Report unless signed by an approved CB Testing Laboratory and appended to a CB Test Certificate issued by an NCB in accordance with IECEE 02.

General disclaimer:

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

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Test item description :	Display Unit
Trade Mark :	<i>HIKVISION</i>
Manufacturer :	Same as applicant
Model/Type reference :	See page 7
Ratings :	100 - 240 V; 50 Hz / 60 Hz; 5 A Class I

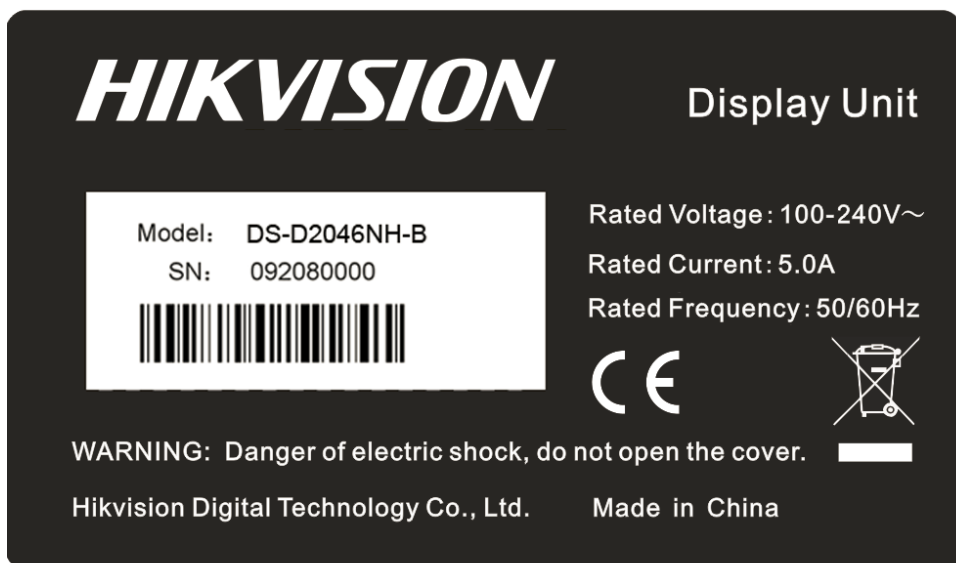
Testing procedure and testing location:	
<input checked="" type="checkbox"/> CB Testing Laboratory:	SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.
Testing location/ address :	588 West Jindu Road, Xinqiao Town, Songjiang, 201612 Shanghai, China
<input type="checkbox"/> Associated CB Testing Laboratory:	
Testing location/ address :	
Tested by (name + signature)	Bright Guo <i>Bright Guo</i>
Approved by (name + signature)	Cherry Sun <i>Cherry Sun</i>
<input type="checkbox"/> Testing procedure: TMP/CTF Stage 1:	
Testing location/ address :	
Tested by (name + signature)	
Approved by (name + signature)	
<input type="checkbox"/> Testing procedure: WMT/CTF Stage 2:	
Testing location/ address :	
Tested by (name + signature)	
Witnessed by (name + signature)	
Approved by (name + signature)	
<input type="checkbox"/> Testing procedure: SMT/CTF Stage 3 or 4:	
Testing location/ address :	
Tested by (name + signature)	
Witnessed by (name + signature)	
Approved by (name + signature)	
Supervised by (name + signature)	



<p>List of Attachments (including a total number of pages in each attachment):</p> <p>--</p>	
<p>Summary of testing:</p> <p>--</p>	
<p>Tests performed (name of test and test clause):</p> <p>--</p>	<p>Testing location:</p> <p>--</p>
<p>Summary of compliance with National Differences:</p> <p>List of countries addressed</p> <p>1. EU Group Differences (EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013)</p> <p>2. EU Special National Conditions: none</p> <p>The product fulfils the above requirements, which were considered in original test report SHES140900427901</p>	

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.



Manufacturer:

Hangzhou Hikvision Digital Technology Co.,Ltd.

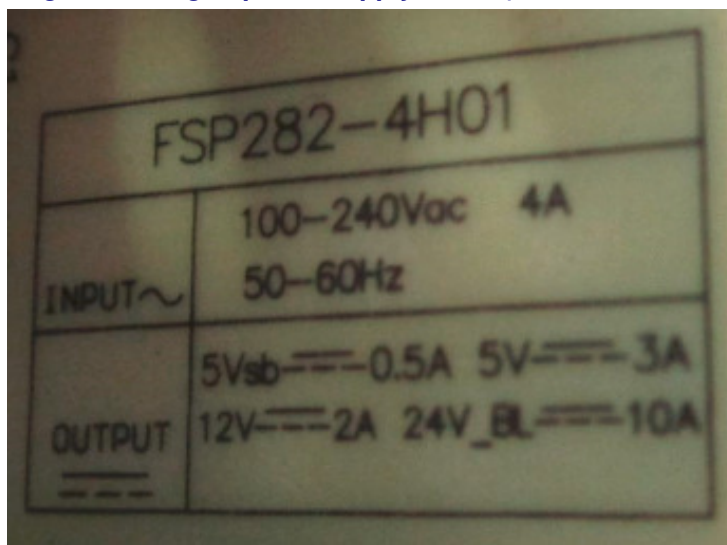
Address: No.555 Qianmo Road, Binjiang District,
Hangzhou 310052, China

Remark:

The marking plates for other models are of the same pattern.

As declared by the applicant, the importer'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.

Marking of building-in power supply board (Model: FSP282-4HO1)



Test item particulars:	
Equipment mobility:	<input type="checkbox"/> movable <input type="checkbox"/> hand-held <input type="checkbox"/> transportable <input checked="" type="checkbox"/> stationary <input type="checkbox"/> for building-in <input type="checkbox"/> direct plug-in
Connection to the mains:	<input checked="" type="checkbox"/> pluggable equipment <input checked="" type="checkbox"/> type A <input type="checkbox"/> type B <input type="checkbox"/> permanent connection <input checked="" type="checkbox"/> detachable power supply cord <input type="checkbox"/> non-detachable power supply cord <input type="checkbox"/> not directly connected to the mains
Operating condition:	<input checked="" type="checkbox"/> continuous <input type="checkbox"/> rated operating / resting time:
Access location	<input checked="" type="checkbox"/> operator accessible <input type="checkbox"/> restricted access location
Over voltage category (OVC)	<input type="checkbox"/> OVC I <input checked="" type="checkbox"/> OVC II <input type="checkbox"/> OVC III <input type="checkbox"/> OVC IV <input type="checkbox"/> other:
Mains supply tolerance (%) or absolute mains supply values	±10%
Tested for IT power systems	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
IT testing, phase-phase voltage (V)	N/A
Class of equipment	<input checked="" type="checkbox"/> Class I <input type="checkbox"/> Class II <input type="checkbox"/> Class III <input type="checkbox"/> Not classified
Considered current rating of protective device as part of the building installation (A)	16 A
Pollution degree (PD)	<input type="checkbox"/> PD 1 <input checked="" type="checkbox"/> PD 2 <input type="checkbox"/> PD 3
IP protection class	IPX0
Altitude during operation (m)	≤ 2000 m
Altitude of test laboratory (m)	≤ 100 m
Mass of equipment (kg)	20,04 kg
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	--
Date (s) of performance of tests	--

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 comma is used as the decimal separator.</p> <p>This document is issued by the company under its General Conditions of Service accessible at http://www.sgs.com/terms_and_conditions.htm. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined there in. 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. 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: (a) the results shown in this document refer only to the sample(s) tested and (b) such sample(s) are retained for 30 Days. This document cannot be reproduced except in full, without prior approval of the company.</p>	
Manufacturer's Declaration per sub-clause 4.2.5 of IECCE 02:	
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 type="checkbox"/> Yes <input checked="" type="checkbox"/> Not applicable
When differences exist; they shall be identified in the General product information section.	
Name and address of factory (ies) : Hangzhou Hikvision Technology Co., Ltd. No.700 Dongliu Road, Binjiang District, Hangzhou 310052, Zhejiang, China	
General product information:	
Product name	Display Unit
Functions	The EUT are serials class I Display Units, which contain a certified building-in power supply board, main boards, two DC fans and a 46" LCD display panel.
Interface	DVI,VGA, YPbPr, VIDEO in, HDMI, USB, Ethernet(RJ45)
Power source	The EUT contains a certified building-in power supply board (Model: FSP282-4H01; Input: 100 V - 240 V; 50 Hz - 60 Hz; 4 A; DC output: 5 Vsb / 0,5 A; 5 V / 3 A;12 V / 2 A; 24 V / 10 A;).
Material of enclosure	All parts except LCD panel: Metal
Other features	Indoor use only

Model No.:			
DS-D2046NH-B	DS-D2040W	DS-D2046NH	DS-D2046NH-A
DS-D2046NH-C	DS-D2046NL	DS-D2046NL-A	DS-D2046NL-B
DS-D2046NL-C	DS-D2046MH-B	DS-D2046WH	DS-D2047NH
DS-D2047NL	DS-D2055H	DS-D2055NL	DS-D2060NH
DS-D2060NL	DS-D3042PH	DS-D3046PH	DS-D3047PH
DS-D3055PH	DS-D3060PH	DS-D3080PH	DS-D30100PH
DS-D30150PH	DS-D5019SL	DS-D5022FL	DS-D5022SH
DS-D5022SH	DS-D5022SL	DS-D5026SH	DS-D5026SL
DS-D5032FL	DS-D5032SH	DS-D5032SL	DS-D5040FH
DS-D5042FH	DS-D5042FL	DS-D5046FH	DS-D5046FL
DS-D5047FH	DS-D5047FL	DS-D5055FL	DS-D5080FL
DS-D50150FL	DS-D50100FL	DS-TUD501004	DS-TUD501004-L
DS-TUD501004-QH	DS-TUD501004-H	DS-TUD501002	DS-TUD501002-L
DS-TUD501002-QH	DS-TUD501002-H	DS-TUD201003	DS-TUD201003-L
DS-TUD201003-QH	DS-TUD201003-H	DS-D2040XX/YYY	DS-D2040XX-Y/ZZZ
DS-D2046XX/YYY	DS-D2046XX-Y/ZZZ	DS-D2047XX/YYY	DS-D2047XX-Y/ZZZ
DS-D2055XX/YYY	DS-D2055XX-Y/ZZZ	DS-D2060XX/YYY	DS-D2060XX-Y/ZZZ
DS-D3042XX/YYY	DS-D3042XX-Y/ZZZ	DS-D3046XX/YYY	DS-D3046XX-Y/ZZZ
DS-D3047XX/YYY	DS-D3047XX-Y/ZZZ	DS-D3055XX/YYY	DS-D3055XX-Y/ZZZ
DS-D3060XX/YYY	DS-D3060XX-Y/ZZZ	DS-D3080XX/YYY	DS-D3080XX-Y/ZZZ
DS-D30100XX/YYY	DS-D30100XX-Y/ZZZ	DS-D30150XX/YYY	DS-D30150XX-Y/ZZZ
DS-D5019XX/YYY	DS-D5019XX-Y/ZZZ	DS-D5022XX/YYY	DS-D5022XX-Y/ZZZ
DS-D5023XX/YYY	DS-D5023XX-Y/ZZZ	DS-D5026XX/YYY	DS-D5026XX-Y/ZZZ
DS-D5032XX/YYY	DS-D5032XX-Y/ZZZ	DS-D5040XX/YYY	DS-D5040XX-Y/ZZZ
DS-D5042XX/YYY	DS-D5042XX-Y/ZZZ	DS-D5046XX/YYY	DS-D5046XX-Y/ZZZ
DS-D5047XX/YYY	DS-D5047XX-Y/ZZZ	DS-D5055XX/YYY	DS-D5055XX-Y/ZZZ
DS-D5065XX/YYY	DS-D5065XX-Y/ZZZ	DS-D5070XX/YYY	DS-D5070XX-Y/ZZZ
DS-D5080XX/YYY	DS-D5080XX-Y/ZZZ	DS-D5082XX/YYY	DS-D5082XX-Y/ZZZ
DS-D5084XX/YYY	DS-D5084XX-Y/ZZZ	DS-D50100XX/YYY	DS-D50100XX-Y/ZZZ
DS-D50150XX/YYY	DS-D50150XX-Y/ZZZ	DS-D4016XX/YYY	DS-D4019XX/YYY
DS-D4025XX/YYY	DS-D4030XX/YYY	DS-D4040XX/YYY	DS-D4037XX/YYY
DS-D4050XX/YYY	DS-D6019WXYZ	DS-D6022WXYZ	DS-D6032WXYZ
DS-D6042WXYZ	DS-D6055WXYZ	DS-D6065WXYZ	DS-D6070WXYZ
DS-D6080WXYZ	DS-D6084WXYZ	DS-D60110XX/YYY	DS-D60120XX/YYY
DS-D2049XX-Y/ZZZ	DS-D2049XX/YYY	DS-D5010XX/YYY	DS-D5010XX-Y/ZZZ
DS-D5016XX/YYY	DS-D5016XX-Y/ZZZ	DS-D5021XX-Y/ZZZ	DS-D5021XX/YYY
DS-D5024XX-Y/ZZZ	DS-D5024XX/YYY	DS-D5028XX-Y/ZZZ	DS-D5028XX/YYY
DS-D5042XX-Y/ZZZ	DS-D5042XX/YYY	DS-D5043XX-Y/ZZZ	DS-D5043XX/YYY
DS-D5047XX-Y/ZZZ	DS-D5047XX/YYY	DS-D5049XX-Y/ZZZ	DS-D5049XX/YYY
DS-D5050XX-Y/ZZZ	DS-D5050XX/YYY	DS-D5055XX-Y/ZZZ	DS-D5055XX/YYY
DS-D5065XX-Y/ZZZ	DS-D5065XX/YYY	DS-D5070XX-Y/ZZZ	DS-D5070XX/YYY
DS-D5075XX-Y/ZZZ	DS-D5075XX/YYY	DS-D5080XX-Y/ZZZ	DS-D5080XX/YYY
DS-D5082XX-Y/ZZZ	DS-D5082XX/YYY	DS-D5084XX-Y/ZZZ	DS-D5084XX/YYY

DS-D5098XX-Y/ZZZ	DS-D5098XX/YYY	DS-D50110XX-Y/ZZZ	DS-D50110XX/YYY
DS-D50120XX-Y/ZZZ	DS-D50120XX/YYY	DS-D50150XX-Y/ZZZ	DS-D50150XX/YYY
DS-D6010XX-Y/ZZZ	DS-D6016XX-Y/ZZZ	DS-D6028XX-Y/ZZZ	DS-D6042XX-Y/ZZZ
DS-D6043XX-Y/ZZZ	DS-D6046XX-Y/ZZZ	DS-D6047XX-Y/ZZZ	DS-D6049XX-Y/ZZZ
DS-D6050XX-Y/ZZZ	DS-D6098XX-Y/ZZZ	DS-D60110XX-Y/ZZZ	DS-D60120XX-Y/ZZZ
DS-D2049NL-B	DS-D2049NL-B/Z	DS-D2049NL-C	DS-D2049NL-C/Z
DS-D2049NL-D	DS-D2049NL-D/Z	DS-D2049NH-B	DS-D2049NH-B/Z
DS-D2049NH-C	DS-D2049NH-C/Z	DS-D2049NH-D	DS-D2049NH-D/Z
DS-D2049NH-E	DS-D2049NH-E/Z	DS-D5019QE	DS-D5019QE-B
DS-D5019QD	DS-D5019FC	DS-D5019FL	DS-D5021QE-B
DS-D5021FC	DS-D5021TL	DS-D5021QD	DS-D5021FL
DS-D5021QE	DS-D5022FC	DS-D5022FL	DS-D5022QD
DS-D5022QE	DS-D5024SL	DS-D5032FC	DS-D5032FL
DS-D5042FL	DS-D5043FC	DS-D5043QD	DS-D5043FL
DS-D5043TL	DS-D5043UL	DS-D5047FL	DS-D5049FL
DS-D5049FC	DS-D5049UL	DS-D5049TL	DS-D5050FC
DS-D5050TL	DS-D5055UL	DS-D5055FC	DS-D5055FL
DS-D5065FL	DS-D5065UL	DS-D5070FL	DS-D5070UL
DS-D5075FL	DS-D5075UL	DS-D5084FL	DS-D5084UL
DS-D6010FL	DS-D6010TL	DS-D6016FL	DS-D6016TL
DS-D6042FL	DS-D6042TL	DS-D6043FL	DS-D6043TL
DS-D6046FL	DS-D6046TL	DS-D6047FL	DS-D6047TL
DS-D6049FL	DS-D6049TL	DS-D6050FL	DS-D6050TL
DS-D60WXYZ-A/ABC	DS-D60WXYZ/ABC	DS-D50WXYZ-A/ABC	DS-D50WXYZ/ABC
DS-D51WXYZ-A/ABC	DS-D51WXYZ/ABC	DS-D52WXYZ-A/ABC	DS-D52WXYZ/ABC
DS-D40WXYZ-ABC	DS-D41WXYZ-ABC	DS-D42WXYZ-ABC	DS-D20WXYZ-A/ABC
DS-D20WXYZ/ABC	DS-D10WXYZ-A/ABC	DS-D10WXYZ-ABC	DS-D5022QE-B
DS-D5032QE	DS-D5032QE-B	DS-D5032UL	DS-D6010XX/YYY
DS-D6016XX/YYY	DS-D6019XX-Y/ZZZ	DS-D6019XX/YYY	DS-D6021XX-Y/ZZZ
DS-D6021XX/YYY	DS-D6022XX-Y/ZZZ	DS-D6022XX/YYY	DS-D6024XX-Y/ZZZ
DS-D6024XX/YYY	DS-D6028XX/YYY	DS-D6032XX-Y/ZZZ	DS-D6032XX/YYY
DS-D6042XX/YYY	DS-D6043XX/YYY	DS-D6046XX/YYY	DS-D6047XX/YYY
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DS-D6065XX-Y/ZZZ	DS-D6065XX/YYY	DS-D6070XX-Y/ZZZ	DS-D6070XX/YYY
DS-D6075XX-Y/ZZZ	DS-D6075XX/YYY	DS-D6084XX-Y/ZZZ	DS-D6084XX/YYY
DS-D6098XX/YYY	--	--	--

Amendment -2:

The original test report SHES140900427901, dated on 2014-09-12 and Amendment -1 test report SHES140900427902, dated on 2016-04-20 was modified on 2016-08-12 as below:

Change the product name to Display Unit.

Add the following one hundred and seventy-nine models in bold in below table, and the new models are identical with original model DS-D2046NH-B except for model name and silk which has no impact on safety. After comparison, no additional test was considered necessary.

Test report SHES140900427903, dated on 2016-08-12 is not valid without the original test report SHES140900427901, dated on 2014-09-12; SHES140900427902, dated on 2016-04-20.

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