

Technical Report No.: 48.420.23.5760.00

Date: 2023-11-29

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	Address:	No.555 Qianmo Road, Binjiang District, 310052 Hangzhou, Zhejiang, PEOPLE'S REPUBLIC OF CHINA
	Contact person:	yuanhaiyang6@hikvision.com
Manufacturer:	Name:	Hangzhou Hikvision Digital Technology Co., Ltd.
	Address:	No.555 Qianmo Road, Binjiang District, 310052 Hangzhou, Zhejiang, PEOPLE'S REPUBLIC OF CHINA
	Contact person:	yuanhaiyang6@hikvision.com
Factory:	Name:	1. Sernet (Suzhou) Technologies Corp. 2. Sernet (Suzhou) Technologies Corporation 3. Hangzhou Hikvision Electronics Co., Ltd. 4. Hangzhou Hikvision Technology Co., Ltd. 5. Chongqing Hikvision Technology CO., Ltd. 6. Wuhan Haorong Technology Co., Ltd.
	Address:	1. No.13, Chunhui Road, Suzhou Industrial Park, 215000 Jiangsu, PEOPLE'S REPUBLIC OF CHINA 2. No. 8 Tangzhuang Road, Suzhou Industrial Park, 215000 Suzhou City, Jiangsu Province, PEOPLE'S REPUBLIC OF CHINA 3. No. 299, Qiushi Road, Tonglu Economic Development Zone, 311500 Tonglu County, Hangzhou, PEOPLE'S REPUBLIC OF CHINA 4. No.700 Dongliu Road, Binjiang District, 310052 Hangzhou, Zhejiang, PEOPLE'S REPUBLIC OF CHINA 5. No. 118, Haikang Road, Area C, Jianqiao Industrial Park, Dadukou District, 401325 Chongqing, PEOPLE'S REPUBLIC OF CHINA 6. No.1 Qinglong Road (Extension Line), Zhifang Street, Jiangxia, 430200 Wuhan, PEOPLE'S REPUBLIC OF CHINA
	Contact person:	--
Test object:	Product:	Wireless Access Point
	Model:	DS-3WAP522-SI, DS-3WAP522-SIUHK, DS-3WAP522-SICKV, DS-3WAP522-SIUVS,

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Rev.: 00
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TÜV SÜD Certification and Testing (China) Co., Ltd.
Floor 1-4, Building B, No.37, Tuanjie Road(Middle), Xishan Economic
and Technological Development Zone, Wuxi, Jiangsu 214100

DS-3WAP522-SIKVO, DS-3WAP522-SIHUN,
DS-3WAP622G-SI, DS-3WAP622G-SIUHK,
DS-3WAP622G-SICKV, DS-3WAP622G-SIUVS,
DS-3WAP622G-SIKVO, DS-3WAP622G-SIHUN,
DS-3WAP622E-SI, DS-3WAP622E-SIUHK,
DS-3WAP622E-SICKV, DS-3WAP622E-SIUVS,
DS-3WAP622E-SIKVO, DS-3WAP622E-SIHUN

Trade mark: **HIKVISION®**

Test specification: EN 62368-1:2014
EN 62368-1:2014/A11:2017

- Purpose of examination:
- ☐ Testing (☐ visual / ☐ partial) for compliance with specified requirements to assess conformity with the German Product Safety Act – ProdSG (27 July 2021)
 - ☒ Testing (☒ visual / ☐ partial) for compliance with specified requirements to assess conformity with the essential safety and health requirements of the following European Directives:
 - ☒ Low Voltage Directive 2014/35/EU
 - ☐ Machinery Directive 2006/42/EC
 - ☐ General Product Safety Directive 2001/95/EC
 - ☐ Radio Equipment Directive 2014/53/EU Art. 3.1(a)
 - Testing and evaluation (☐ visual / ☐ partial) according to the test specification

Test result: The test results show that the presented product is in compliance with the above listed test specifications.
The present test results show that after removal of the points of non-compliance as listed in the report and an appropriate retest the product will be in compliance with the above listed test specifications.

Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question. It does not imply a general statement regarding the quality of products from regular production. For further details please see testing and certification regulation, chapter A-3.4.

1. Description of the test object

1.1 Picture(s)

Refer to CB test report 147-235760-000 attachment No. 3

1.2 Function

The product is a Wireless Access Point classified as network equipment which is powered by external power supply.

The appliance used indoor for general purpose under dry condition.

Model Differences –

All models DS-3WAP522-SI, DS-3WAP522-SIUHK, DS-3WAP522-SICKV, DS-3WAP522-SIUVS, DS-3WAP522-SIKVO, DS-3WAP522-SIHUN, DS-3WAP622G-SI, DS-3WAP622G-SIUHK, DS-3WAP622G-SICKV, DS-3WAP622G-SIUVS, DS-3WAP622G-SIKVO and DS-3WAP622G-SIHUN are identical except for model name.

All models DS-3WAP622E-SI, DS-3WAP622E-SIUHK, DS-3WAP622E-SICKV, DS-3WAP622E-SIUVS, DS-3WAP622E-SIKVO and DS-3WAP622E-SIHUN are identical except for model name.

Models DS-3WAP622E-SI and DS-3WAP622G-SI are identical except for model name, PoE input circuit and input rating.

Manufacturer's specification for intended use:

Maximum ambient temperature (T_{ma}) permitted by the manufacturer's specification is 45°C.

1.3 Consideration of the foreseeable use

- ☐ Not applicable
- ☒ Covered through the applied standard
- ☐ Covered by the following comment*
- ☐ Covered by attached risk analysis

*

1.4 Technical Data

Model	DS-3WAP522-SI, DS-3WAP522-SIUHK, DS-3WAP522-SICKV, DS-3WAP522-SIUVS, DS-3WAP522-SIKVO, DS-3WAP522-SIHUN, DS-3WAP622G-SI, DS-3WAP622G-SIUHK, DS-3WAP622G-SICKV, DS-3WAP622G-SIUVS, DS-3WAP622G-SIKVO, DS-3WAP622G-SIHUN, DS-3WAP622E-SI, DS-3WAP622E-SIUHK, DS-3WAP622E-SICKV, DS-3WAP622E-SIUVS, DS-3WAP622E-SIKVO, DS-3WAP622E-SIHUN Input: PoE(802.3at)42.5-57V=== 0.27A or 12V=== 1.5A for models: DS-3WAP622E-SI, DS-3WAP622E-SIUHK, DS-3WAP622E-SICKV, DS-3WAP622E-SIUVS, DS-3WAP622E-SIKVO, DS-3WAP622E-SIHUN
Rated Voltage (V)	Input: PoE(802.3at)42.5-57V=== 0.24A or 12V=== 1.5A for models: DS-3WAP522-SI, DS-3WAP522-SIUHK, DS-3WAP522-SICKV, DS-3WAP522-SIUVS, DS-3WAP522-SIKVO, DS-3WAP522-SIHUN, DS-3WAP622G-SI, DS-3WAP622G-SIUHK, DS-3WAP622G-SICKV, DS-3WAP622G-SIUVS, DS-3WAP622G-SIKVO, DS-3WAP622G-SIHUN
Rated Frequency (Hz)	N/A
Rated Power (W)	N/A
Protection Class	☐ Class I; ☐ Class II; ☒ Class III
Degree of Protection	IP X0
Construction	☐ Stationary ☒ Portable ☐ Hand-held ☐ Open-frame ☐ Non detachable cord
Supply connection	☐ Permanent connection to fixed wiring ☐ Appliance inlet ☒ Not directly connected to the mains ☒ continuous operation;
Operation mode	☐ Intermittent operation; ☐ Short time operation;
Rated capacity (ml)	N/A
Weight (kg)	Approx 0.36 kg
Software revision number(s) for functional safety	N/A
Others	N/A

2. Order

2.1 Date of Purchase Order, Customer's Reference

2023-11-16

2.2 Test Sample(s)

- Reception date(s): 2023-11-16
- Location(s) of reception: TÜV SÜD Certification and Testing (China) Co., Ltd.
Floor 1-4, Building B, No.37, Tuanjie Road(Middle),
Xishan Economic and Technological Development
Zone, Wuxi, Jiangsu 214100, China
- Condition of test sample(s): Normal

2.3 Testing

- Testing date(s): 2023-11-16 to 2023-11-23
- Location(s) of testing: TÜV SÜD Certification and Testing (China) Co., Ltd.
Floor 1-4, Building B, No.37, Tuanjie Road(Middle),
Xishan Economic and Technological Development
Zone, Wuxi, Jiangsu 214100, China

2.4 Points of Non-Compliance or Exceptions of the Test Procedure

- None

3. Test Results

☒ Decision rule according to ILAC-G8:09/2019 clause 4.2.1 Binary statement for simple acceptance rule or IEC Guide 115:2023, clause 4.3 Simple acceptance was applied.

☐ Decision rule according to customer's requirements was applied. It is:

☐ Decision rule according to ILAC-G8:09/2019 clause 4.2.2 Binary statement with guard band - guard band length = 95 % extended measurement uncertainty, was applied.

☐ Decision rule (based on ILAC-G8:09/2019 clause 4.2.3 Non-binary statement with guard band, guard band length = 95 % extended measurement uncertainty) for an upper specification limit (A lower limit or specification with an up-per and a lower limit is treated similarly.):



- Compliance with the requirement: If a specification limit is not breached by a measurement result plus the expanded uncertainty with a 95% coverage probability, then compliance with the specification will be stated (e. g. Pass).
- Non-compliance with the requirement: If a specification limit is exceeded by the measurement result minus the expanded uncertainty with a 95% coverage probability, then non-compliance with the specification will be stated (e. g. Fail).
- Inconclusive result: If a measurement result plus/minus the expanded uncertainty with a 95 % coverage probability overlaps the limit it will be stated that it is not possible to state compliance or non-compliance.

☐ There are no statements to conformity or no results with measurand stated in this report, no decision rule has been applied.

3.1 Positive Test Results

Test specification(s)	Report no. / Rev. No.	Date	Remark
Electrical safety:	147-235760-000	2023-11-29	--

3.2 Points of Non-Compliance according to the test specification

☒ None

4. Remarks

4.1 General

The user manual has been examined according to the minimum requirements described in the product standard. The manufacturer is responsible for the accuracy of further particulars as well as of the composition and layout.

4.2 Factory surveillance cycle

Your production facility is currently on the following surveillance cycle.

- ☐ Annual (12 month)
- ☐ Bi-Annual (6 month)
- ☐ Quarterly (3 month)
- ☒ N/A

4.3 Additional information for routine tests to be performed by the factory(ies)

Routine tests for electrical appliances / equipment:

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Tel: 0510-88203737

Routine test requirements for production are described in

☐ Required

☒ Not Required

Reason for non-requirement:

☒ Class III product

☐ Other:

Test Details:

☐ Dielectric Strength

☐ Ground Continuity

☐ Insulation Resistance

☐ Leakage Current

☐ Touch Current

☐ Polarity

☐ Other:

Test Points:

BI: L/N – Chassis

RI: L/N – Secondary

AC-Inlet – Chassis
and/or

BI: L/N – Chassis

RI: L/N – Secondary

Ground - PE

Test Values / Limit(s):

Vac / Vdc

Vac / Vdc

A ; $t \geq 1 \text{ s}$;
 $R < 0.1 \text{ Ohm } (\Omega)$

Vdc

$R > 2 \text{ MOhm } (M\Omega)$

Vdc

mA

mA

Routine tests for mechanical testing:

Routine test requirements for production are described in:

☐ Load test

☐ Pressure test

☐ Check of safety-relevant measurements / measurands

List of safety-relevant measures which shall be checked:

☐ Final check by assembling

☐ Functional check

☐ Other:

Routine test for functional safety (SCS) testing:

☐ Verification that the tested software version no. will be installed in the test object (see CDF)

☐ Verification that the SCS components are unchanged (see CDF).



5. Documentation

None

6. Summary

"The test specification(s) is (are) met"

Tested by:

Jinjin ZHANG
(Project Handler)

printed name, function & signature

Approved by:

Laining LI
(Reviewer)

printed name, function & signature



--- End of Report ---