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|------------|---------------------|
| No.        | N1812CR8888-00535-Y |
| Total page | 61                  |



中国认可  
国际互认  
检测  
TESTING  
CNAS L0462

# TEST REPORT

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Product Name : Digital Video Recorder

Type and Specification : DS-MP9608,DS-MP7608,DS-MP7608H, DS-MP9608H,  
DS-MPX608/YY/ZZ

Test Category : Entrusted Test

Factory : Hangzhou Hikvision Technology Co., Ltd.

Client: Hangzhou Hikvision Digital Technology Co., Ltd.



China Electronic Product Reliability And  
Environmental Testing Research Institute

China CEPREI Laboratory



# TEST REPORT

|   |   |
|---|---|
| Report reference No .....                             | N1812CR8888-00535-Y   |
| Total number of pages.....                            | 61  |
| Test item description .....                           | Digital Video Recorder  |
| Trademark .....                                       | /   |
| Model and/or type reference .....                     | DS-MP9608,DS-MP7608,DS-MP7608H, DS-MP9608H, DS-MPX608/YY/ZZ   |
| Factory's Name .....                                  | Hangzhou Hikvision Technology Co., Ltd.   |
| Address .....   | No.700,Dongliu Road, Binjiang District, Hangzhou Ctiy, Zhejiang, 310052, China  |
| Client's Name .....                                   | Hangzhou Hikvision Digital Technology Co., Ltd.   |
| Address .....   | No.555 Qianmo Road, Binjiang District, Hangzhou 310052, China   |
| Testing Laboratory Name .....                         | China CEPREI Laboratory/ China Electronic Product Reliability and Environmental Testing Research Institute  |
| Address .....   | No.110 Dongguanhuang Rd., Tianhe District,Guangzhou, Guangdong, 510610, China   |
| Testing location .....                                | China CEPREI Laboratory   |
| Test specification                                    |   |
| Standard.....   | EN 50155:2017*;EN 50121-3-2:2016;IEC 60068-2-1:2007;IEC 60068-2-2:2007;IEC 60068-2-30:2005;IEC 61373:2010; IEC 60068-2-11:1981  |
| Test category .....                                   | Entrusted Test  |
| Number of test item.....                              | 1   |
| Date of receipt of test item .....                    | 2018.12.17  |
| Date(s) of performance of test.....                   | 2018. 12.17-2019.01.31  |
| Ambient Condition.....                                | (15~35)°C, (45~75%)RH, (86~106) kPa   |
| Test Instruments and Equipment.....                   | See Equipment List of This Report.  |
| <b>Summary of Testing and Conclusions</b>             |   |
| PASS.   |   |
| <b>Explanation</b>                                    |   |
| The standard with "*" is not covered by CNAS and CMA. |   |
| Tested by<br>(printed name and signature).....        | Wang Weifeng(王卫峰)    |
| Reviewed by<br>(printed name and signature).....      | Zhao Haozhi(赵浩之) <br>Yu Haitao (余海涛) <br>Zhou Maoyang (周茂杨) |
| Approved by<br>(printed name and signature).....      | Yang Lin (杨林)    |
| Date of issue.....                                    | 2019.02.25  |

|   |      |
|---|------|
| <b>Test case verdicts</b>   |      |
| Test case does not apply to the test object.....:   | N    |
| Test item does meet the requirement(Pass).....:   | PASS |
| Test item does not meet the requirement(Fail).....:   | F    |
| <b>General remarks</b>  |      |
| <ol style="list-style-type: none"> <li>1. Report without "specific stamp" of inspection organization or the authority will be regarded as invalid.</li> <li>2. Duplicated report without original "specific stamp" of inspection organization or the authority will be regarded as invalid.</li> <li>3. Report without the signatures of Tester, Reviewer or Approval will be regarded as invalid.</li> <li>4. Test report if altered will be regarded as invalid.</li> <li>5. Any dispute about the report must be submitted to inspection organization within 15 days upon report received, it will be rejected if out of the period.</li> <li>6. Generally, the entrusted test only responsible for the samples.</li> </ol>                            |      |
| <b>General product information:</b>   |      |
| <p>The models of entrusted test:DS-MP9608,DS-MP7608,DS-MP7608H, DS-MP9608H, DS-MPX608/YY/ZZ. Only because of different regions of export, the model naming rules are different. Other aspects are all the same. The tests carried out on the model DS-MP7608H.</p>  |      |
| <b>Testing Laboratory Contact Info:</b>   |      |
| <p><b>China CEPREI Laboratory/ China Electronic Product Reliability and Environmental Testing Research Institute</b></p> <p><b>Address: 1) No.110 Dongguanzhuang Rd., Tianhe District, Guangzhou, Guangdong, 510610, China</b><br/> <b>Postcode: 510610</b></p> <p><b>Address: 2) No.46 Tianhui Rd., TianheDistrict,Guangzhou, Guangdong, China</b><br/> <b>Postcode: 510663</b></p> <p><b>TEL: +86-20-85131111</b><br/> <b>FAX: +86-20-87236171, +86-20-85131313</b><br/> <b>Technical Consultant: +86-20-87237178, +86-20-37896611</b><br/> <b>Business Contact: +86-20-87237177,market@ceprei.biz</b><br/> <b>Enquiry: +86-20-87237150, +86-20-85131123,info@ceprei.biz</b><br/> <b>Complaint: +86-20-87237622, +86-20-87236789,qic@ceprei.biz</b></p> |      |

## Visual inspection, Performance test, Insulation test and Power supply test List / Test summary

| Test Item                       | Performance Criteria | Standard      | Test Level  | Result |
|---------------------------------|----------------------|---------------|---|--------|
| Visual inspection               | /                    | EN 50155:2017 | /   | PASS   |
| Performance test                | /                    | EN 50155:2017 | /   | PASS   |
| Insulation measurement test     | /                    | EN 50155:2017 | 500VDC  | PASS   |
| Voltage withstand test          | /                    | EN 50155:2017 | 500V AC/50Hz, 1min  | PASS   |
| DC Power Supply Range           | /                    | EN 50155:2017 | Minimum continuous voltage:0.7Un<br>Maximum continuous voltage:1.25Un | PASS   |
| Temporary Supply Overvoltages   | A                    | EN 50155:2017 | 1.4Un,lasting no more than 0.1s                                       | PASS   |
|                                 | B                    |               | 1.4Un,lasting no more than 1s   | PASS   |
| Temporary Supply Dips           | A                    | EN 50155:2017 | 0.6Un,not exceeding 0.1s  | PASS   |
| Interruptions of Voltage Supply | A                    | EN 50155:2017 | Break 10ms at Un  | PASS   |
| Supply change-over              | A                    | EN 50155:2017 | 0.6Un,during 100ms  | PASS   |
|                                 | B                    |               | Break 30ms at Un  | PASS   |

## EMC Test List / Test summary

| <b>Electromagnetic Emissions</b>   |                      |                   |  |        |
|--|----------------------|-------------------|--|--------|
| Test Item  | Class                | Standard          | Result   |        |
| Conducted Emission at mains terminals<br>(0.15-30MHz)                                  | /                    | EN 50121-3-2:2016 | PASS   |        |
| Total Harmonic Distortion  | /                    | EN 50121-3-2:2016 | N  |        |
| Radiated Emission(30-1000MHz)  | /                    | EN 50121-3-2:2016 | PASS   |        |
| Radiated Emission(1GHz-6GHz)   | /                    | EN 50121-3-2:2016 | PASS   |        |
| <b>Electromagnetic Immunity</b>  |                      |                   |  |        |
| Test Item  | Performance Criteria | Standard          | Test Level   | Result |
| Electrical Fast<br>Transient/Burst Immunity  | A                    | EN 50121-3-2:2016 | ± 2kV Peak<br>5/50nsTr/Th<br>5kHz Repetition frequency   | PASS   |
| Radio-frequency<br>Electromagnetic Fields<br>Immunity                                  | A                    | EN 50121-3-2:2016 | 80-800 MHz<br>20 V/m(r.m.s)<br>unmodulated carrier<br>80 % AM,1kHz   | PASS   |
| Radio-frequency<br>Electromagnetic<br>Field,from Digital Mobile<br>Telephones Immunity | A                    | EN 50121-3-2:2016 | 800-1000 MHz,20 V/m(r.m.s);<br>1400-2000 MHz,10 V/m(r.m.s);<br>2000-2700 MHz,5 V/m(r.m.s);<br>5100-6000 MHz,3 V/m(r.m.s);<br>unmodulated carrier<br>80 % AM,1kHz | PASS   |
| Radio-frequency<br>Conducted Disturbance<br>Immunity                                   | A                    | EN 50121-3-2:2016 | 0.15-80 MHz<br>10 V(r.m.s)<br>unmodulated carrier<br>80 % AM,1kHz  | PASS   |
| Surge Immunity   | B                    | EN 50121-3-2:2016 | 1.2/50 μ s<br>± 1kV(line to line)<br>± 2kV(line to earth)  | PASS   |
| Electrostatic Discharge<br>Immunity  | B                    | EN 50121-3-2:2016 | ± 6 kV(Contactdischarge)<br>± 8 kV(Air discharge)  | PASS   |

## Environment Test List / Test summary

The following standards have been applied to ensure the product conforms to the protection requirements of the client.

| <b>Environment Standards</b>     |                     |   |               |
|----------------------------------|---------------------|---|---------------|
| <b>Test Item</b>                 | <b>Standard</b>     | <b>Test Level</b>   | <b>Result</b> |
| Low temperature start-up test    | IEC 60068-2-1:2007  | -25°C, 2h   | PASS          |
| Dry heat test                    | IEC 60068-2-2:2007  | 70°C, 6h; 85°C, 10min   | PASS          |
| Low temperature storage test     | IEC 60068-2-1:2007  | -40°C, 16h  | PASS          |
| Cyclic damp heat test            | IEC 60068-2-30:2005 | Temperature: +55°C and +25°C;<br>Number of cycle: 2;<br>Time: 2 × 24 hours; | PASS          |
| Functional random vibration test | IEC 61373:2010      | X:10min, Y:10min, Z:10min;  | PASS          |
| Simulated long life testing      | IEC 61373:2010      | X:5h, Y: 5h, Z: 5h;   | PASS          |
| Shock testing                    | IEC 61373:2010      | 3times / axis, total 18 times   | PASS          |
| Salt Mist Test                   | IEC 60068-2-11:1981 | 48h   | PASS          |