



TEST REPORT

EN IEC 62311:2020

Product : Dash Camera
Model Name : S800 PRO
Serial Model : please see page 5
Brand : **imou**
Report No. : PTC25081318716E-EM03

Prepared for

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Prepared by

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1 TEST RESULT CERTIFICATION

Applicant's name : Hangzhou Huacheng Network Technology Co.,Ltd.
Address : 13th Floor, Building 3, No. 582, Liye Road, Changhe Street, Binjiang District, Hangzhou, China (Zhejiang) Pilot Free Trade Zone
Manufacture's name : Hangzhou Huacheng Network Technology Co.,Ltd.
Address : 13th Floor, Building 3, No. 582, Liye Road, Changhe Street, Binjiang District, Hangzhou, China (Zhejiang) Pilot Free Trade Zone
Product name : Dash Camera
Model name : S800 PRO (serial model please see page 5.)

The above-mentioned device is tested by PTC to determine the maximum emission level produced by the device and the severity level that the device can withstand and its performance standards. The measurement results are contained in this test report. In addition, this report shows that EUT (equipment under test) technically meets the requirements of BS EN 62311

This report only applies to the above-mentioned test samples, and cannot be partially copied or modified without written approval by PTC

Date of Test

Date (s) of performance of tests: Feb. 23, 2025 to Mar. 22, 2025

Date of Issue: Mar. 23, 2025

Test Result: **Pass**

Test Engineer:

Technical Manager:



Simon Pu / Manager



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2 Test Summary

Test	Test Requirement	Test Method	Limit / Severity	Result
RF Exposure	EN IEC 62311:2020	EN IEC 62311:2020	-	PASS

Remark:

N/A: Not Applicable

RF: In this whole report RF means Radio Frequency.

A.M. Amplitude Modulation.

P.M. Pulse Modulation.



3 General Information

3.1 General Description of E.U.T.

Product Name	:	Dash Camera
Model Number	:	S800 PRO
Additional model	:	S1; S1 PRO; S1 PLUS; S1 MAX; S2; S2 PRO; S2 PLUS; S2 MAX; S3; S3 PRO; S3 PLUS; S3 MAX; S4; S4 PRO; S4 PLUS; S4 MAX; S5; S5 PRO; S5 PLUS; S5 MAX; S6; S6 PRO; S6 PLUS; S6 MAX; S7; S7 PRO; S7 PLUS; S7 MAX; S8; S8 PRO; S8 PLUS; S8 MAX; S9; S9 PRO; S9 PLUS; S9 MAX; S10; S10 PRO; S10 PLUS; S10 MAX; S11; S11 PRO; S11 PLUS; S11 MAX; S12; S12 PRO; S12 PLUS; S12 MAX; S13; S13 PRO; S13 PLUS; S13 MAX; S14; S14 PRO; S14 PLUS; S14 MAX; S15; S15 PRO; S15 PLUS; S15 MAX; S100; S100 PRO; S100 PLUS; S100 MAX; S200; S200 PRO; S200 PLUS; S200 MAX; S300; S300 PRO; S300 PLUS; S300 MAX; S400; S400 PRO; S400 PLUS; S400 MAX; S500; S500 PRO; S500 PLUS; S500 MAX; S600; S600 PRO; S600 PLUS; S600 MAX; S700; S700 PRO; S700 PLUS; S700 MAX; S800; S800 PRO; S800 PLUS; S800 MAX; M1; M1 PRO; M1 PLUS; M1 MAX; M2; M2 PRO; M2 PLUS; M2 MAX; M3; M3 PRO; M3 PLUS; M3 MAX; M4; M4 PRO; M4 PLUS; M4 MAX; M5; M5 PRO; M5 PLUS; M5 MAX; M6; M6 PRO; M6 PLUS; M6 MAX; M7; M7 PRO; M7 PLUS; M7 MAX; M8; M8 PRO; M8 PLUS; M8 MAX; M9; M9 PRO; M9 PLUS; M9 MAX; M10; M10 PRO; M10 PLUS; M10 MAX; M11; M11 PRO; M11 PLUS; M11 MAX; M12; M12 PRO; M12 PLUS; M12 MAX; M13; M13 PRO; M13 PLUS; M13 MAX; M14; M14 PRO; M14 PLUS; M14 MAX; M15; M15 PRO; M15 PLUS; M15 MAX; M100; M100 PRO; M100 PLUS; M100 MAX; M200; M200 PRO; M200 PLUS; M200 MAX; M300; M300 PRO; M300 PLUS; M300 MAX; M400; M400 PRO; M400 PLUS; M400 MAX; M500; M500 PRO; M500 PLUS; M500 MAX; M600; M600 PRO; M600 PLUS; M600 MAX; M700; M700 PRO; M700 PLUS; M700 MAX; M800; M800 PRO; M800



	PLUS; M800 MAX; T1; T1 PRO; T1 PLUS; T1 MAX; T2; T2 PRO; T2 PLUS; T2 MAX; T3; T3 PRO; T3 PLUS; T3 MAX; T4; T4 PRO; T4 PLUS; T4 MAX; T5; T5 PRO; T5 PLUS; T5 MAX; T6; T6 PRO; T6 PLUS; T6 MAX; T7; T7 PRO; T7 PLUS; T7 MAX; T8; T8 PRO; T8 PLUS; T8 MAX; T9; T9 PRO; T9 PLUS; T9 MAX; T10; T10 PRO; T10 PLUS; T10 MAX; T11; T11 PRO; T11 PLUS; T11 MAX; T12; T12 PRO; T12 PLUS; T12 MAX; T13; T13 PRO; T13 PLUS; T13 MAX; T14; T14 PRO; T14 PLUS; T14 MAX; T15; T15 PRO; T15 PLUS; T15 MAX; T100; T100 PRO; T100 PLUS; T100 MAX; T200; T200 PRO; T200 PLUS; T200 MAX; T300; T300 PRO; T300 PLUS; T300 MAX; T400; T400 PRO; T400 PLUS; T400 MAX; T500; T500 PRO; T500 PLUS; T500 MAX; T600; T600 PRO; T600 PLUS; T600 MAX; T700; T700 PRO; T700 PLUS; T700 MAX; T800; T800 PRO; T800 PLUS; T800 MAX; H1; H1 PRO; H1 PLUS; H1 MAX; H2; H2 PRO; H2 PLUS; H2 MAX; H3; H3 PRO; H3 PLUS; H3 MAX; H4; H4 PRO; H4 PLUS; H4 MAX; H5; H5 PRO; H5 PLUS; H5 MAX; H6; H6 PRO; H6 PLUS; H6 MAX; H7; H7 PRO; H7 PLUS; H7 MAX; H8; H8 PRO; H8 PLUS; H8 MAX; H9; H9 PRO; H9 PLUS; H9 MAX; H10; H10 PRO; H10 PLUS; H10 MAX; H11; H11 PRO; H11 PLUS; H11 MAX; H12; H12 PRO; H12 PLUS; H12 MAX; H13; H13 PRO; H13 PLUS; H13 MAX; H14; H14 PRO; H14 PLUS; H14 MAX; H15; H15 PRO; H15 PLUS; H15 MAX; H100; H100 PRO; H100 PLUS; H100 MAX; H200; H200 PRO; H200 PLUS; H200 MAX; H300; H300 PRO; H300 PLUS; H300 MAX; H400; H400 PRO; H400 PLUS; H400 MAX; H500; H500 PRO; H500 PLUS; H500 MAX; H600; H600 PRO; H600 PLUS; H600 MAX; H700; H700 PRO; H700 PLUS; H700 MAX; H800; H800 PRO; H800 PLUS; H800 MAX; R1; R1 PRO; R1 PLUS; R1 MAX; R2; R2 PRO; R2 PLUS; R2 MAX; R3; R3 PRO; R3 PLUS; R3 MAX; R4; R4 PRO; R4 PLUS; R4 MAX; R5; R5 PRO; R5 PLUS; R5 MAX; R6; R6 PRO; R6 PLUS; R6 MAX;
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	R7; R7 PRO; R7 PLUS; R7 MAX; R8; R8 PRO; R8 PLUS; R8 MAX; R9; R9 PRO; R9 PLUS; R9 MAX; R10; R10 PRO; R10 PLUS; R10 MAX; DH01; DH01PRO; DH01PLUS; DH01MAX; DH02; DH02PRO; DH02PLUS; DH02MAX; DH03; DH03PRO; DH03PLUS; DH03MAX; DH04; DH04PRO; DH04PLUS; DH04MAX; DH05; DH05PRO; DH05PLUS; DH05MAX; DH06; DH06PRO; DH06PLUS; DH06MAX; DH07; DH07PRO; DH07PLUS; DH07MAX; DH08; DH08PRO; DH08PLUS; DH08MAX; DH09; DH09PRO; DH09PLUS; DH09MAX; DH10; DH10PRO; DH10PLUS; DH10MAX; P060S; P060V; P060P; P1200; P080S; P080V; P080P; P1400; P100S; P100V; P100P; P1600; P120S; P120V; P120P; P1800; P140S; P140V; P140P; P2000; P160S; P160V; P160P; P2200; P180S; P180V; P180P; P2400; P200S; P200V; P200P; P2600; P220S; P220V; P220P; P2800; P240S; P240V; P240P; P3000;
Operating frequency	: Wi-Fi: 2412~2472 MHz (TX/RX);
Modulation	: DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Antenna installation	: chip antenna
Power supply	: DC 3.7V li-on battery or DC 5V 1.5A via adapter DC 12V battery
Hardware Version	: N/A
Software Version	: N/A



4 RF Exposure Evaluation

4.1 Limits

According to Council Recommendation: the criteria listed in the following table shall be used to evaluate the environment impact of human exposure to radio frequency (RF) radiation.

Reference levels for electric, magnetic and electromagnetic fields (0Hz to 300GHz, unperturbed RMS values)

Frequency range	E-field strength (V/m)	H-field strength (A/m)	B-field (nT)	Equivalent plane wave power density Seq(W/m2)
0-1Hz	-	3.2×10^4	4×10^4	-
1-8Hz	10000	$3.2 \times 10^4 / f^2$	$4 \times 10^4 / f^2$	-
8-25Hz	10000	$4000 / f$	$5000 / f$	-
0.025-0.8kHz	$250 / f$	$4 / f$	$5 / f$	-
0.8-3kHz	$250 / f$	5	6.25	-
3-150kHz	87	5	6.25	-
0.15-1MHz	87	$0.73 / f$	$0.92 / f$	-
1-10MHz	$87 / f^{1/2}$	$0.73 / f$	$0.92 / f$	-
10-400MHz	28	0.73	0.92	2
400-2000MHz	$1,375 f^{1/2}$	$0.0037 f^{1/2}$	$0.0046 f^{1/2}$	$f / 200$
2-300GHz	61	0.16	0.20	10

Note:

1. f as indicated in the frequency range column.
2. For frequencies between 100 kHz and 10 GHz, Seq, E2, H2 and B2 are to be averaged over any six-minute period.
3. For frequencies exceeding 10 GHz, Seq, E2, H2 and B2 are to be averaged over any $68 / f^{1.05}$ minute period (f in GHz).
4. No E-field value is provided for frequencies < 1 Hz, which are effectively static electric fields. For most people the annoying perception of surface electric charges will not occur at field strengths less than 25 kV/m. Spark discharges causing stress or annoyance should be avoided.



4.2 Evaluation Methods

The antenna of the product, under normal use condition is at least 20 cm away from the body of the user.
Warning

statement to the user to keeping at least 20 cm separation distance and the prohibition of operating to a person has been printed on the user's manual. So, this product under normal use is located on electromagnetic far field between the human body.

$$E = \frac{\sqrt{30 * P * G \varphi, \theta}}{r}$$

Note: G=antenna gain relative to an isotropic antenna θ ; φ =elevation and azimuth angles to point of investigation; r=distance from observation point to the antenna

4.3 RF Exposure test procedure

Software provided by client enabled the EUT to transmit and receive data at lowest, middle and highest channel individually.

The temperature and related humidity: 18°C and 78% RH.

4.4 Test Result of RF Exposure Evaluation

The maximum E-field Strength at a distance of 0.2 m is shown as below:

Mode	Antenna Gain (numeric)	Min distance (m)	Output Power (dBm)	E-field Strength (V/m)	E-field Strength Limit (V/m)	Result
2.4GWiFi	3.59	0.2	17.85	15.11	61.00	Pass

Remark: Since the max. peak output power is less than the applicable low-power exclusion level Pmax, this device is deemed to comply with the provisions of this standard without further testing.

*****THE END REPORT*****