



FCC TEST REPORT

FCC ID: 2A56R-T200

Product	:	DASH CAMERA
Model Name	:	T200; S200; T200; M200; IM200; P200; S200 PRO; T200 PRO; M200 PRO; IM200 PRO; P200 PRO; S300; T300; M300; IM300; P300; S400; T400; M400PRO; IM400; P400; S400 PRO; T400 PRO; IM400 PRO; P400 PRO; S500; T500; M500; IM500; P500; S800; T800; M800; IM800; P800; S800 PRO; T800 PRO; M800 PRO; IM800 PRO; P800PRO; K200; F200; C200; IC200; Q200; K200 PRO; F200 PRO; C200 PRO; IC200 PRO; Q200 PRO; K300; F300; C300; IC300; Q300; K400; F400; C400; IC400; Q400; K400 PRO; F400 PRO; C400 PRO; IC400 PRO; Q400 PRO; K500; F500; C500; IC500; Q500; K800; F800; C800; IC800; Q800; K800 PRO; F800 PRO; C800 PRO; IC800 PRO; Q800PRO; M400
Brand	:	imou
Report No.	:	PTC22031600604E-FC02
Sample ID	:	PTC22031600604E-FC02#
Prepared for		
Hangzhou Huacheng Network Technology Co., Ltd		
No. 2930, NanHuan Road, Binjiang District, Hangzhou City, Zhejiang Province, China		
Prepared by		
Precise Testing & Certification Co., Ltd		
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TEST RESULT CERTIFICATION

Applicant's name : Hangzhou Huacheng Network Technology Co., Ltd

Address : No. 2930, NanHuan Road, Binjiang District, Hangzhou City, Zhejiang Province, China

Manufacture's name : Hangzhou Huacheng Network Technology Co., Ltd

Address : No. 2930, NanHuan Road, Binjiang District, Hangzhou City, Zhejiang Province, China

Product name : DASH CAMERA

Model name : T200; S200; T200; M200; IM200; P200; S200 PRO; T200 PRO; M200 PRO; IM200 PRO; P200 PRO; S300; T300; M300; IM300; P300; S400; T400; M400PRO; IM400; P400; S400 PRO; T400 PRO; IM400 PRO; P400 PRO; S500; T500; M500; IM500; P500; S800; T800; M800; IM800; P800; S800 PRO; T800 PRO; M800 PRO; IM800 PRO; P800PRO; K200; F200; C200; IC200; Q200; K200 PRO; F200 PRO; C200 PRO; IC200 PRO; Q200 PRO; K300; F300; C300; IC300; Q300; K400; F400; C400; IC400; Q400; K400 PRO; F400 PRO; C400 PRO; IC400 PRO; Q400 PRO; K500; F500; C500; IC500; Q500; K800; F800; C800; IC800; Q800; K800 PRO; F800 PRO; C800 PRO; IC800 PRO; Q800PRO; M400

Test procedure : KDB 447498 D01 General RF Exposure Guidance v06

Test Date : June 01, 2022 to June 08, 2022

Date of Issue : June 09, 2022

Test Result : Pass

This device described above has been tested by PTC, and the test results show that the equipment under test (EUT) is in compliance with the FCC requirements. And it is applicable only to the tested sample identified in the report.

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Report No.: PTC22031600604E-FC02

Test Engineer:

Leo Yang

Leo Yang / Engineer

Technical Manager:

Ronnie Liu

Ronnie Liu / Manager



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Report No.: PTC22031600604E-FC02

2 Test Summary

Test Items	Test Requirement	Result
Maximum Permissible Exposure (Exposure of Humans to RF Fields)	1.1307(b)(1)	PASS
Remark:		
N/A: Not Applicable		



3 General Information

3.1 General Description of E.U.T.

Product Name	:	DASH CAMERA
Model Name	:	T200; S200; T200; M200; IM200; P200; S200 PRO; T200 PRO; M200 PRO; IM200 PRO; P200 PRO; S300; T300; M300; IM300; P300; S400; T400; M400PRO; IM400; P400; S400 PRO; T400 PRO; IM400 PRO; P400 PRO; S500; T500; M500; IM500; P500; S800; T800; M800; IM800; P800; S800 PRO; T800 PRO; M800 PRO; IM800 PRO; P800PRO; K200; F200; C200; IC200; Q200; K200 PRO; F200 PRO; C200 PRO; IC200 PRO; Q200 PRO; K300; F300; C300; IC300; Q300; K400; F400; C400; IC400; Q400; K400 PRO; F400 PRO; C400 PRO; IC400 PRO; Q400 PRO; K500; F500; C500; IC500; Q500; K800; F800; C800; IC800; Q800; K800 PRO; F800 PRO; C800 PRO; IC800 PRO; Q800PRO; M400
Additional model	:	Note : The appearance and color of the product are different, and the electrical principle is the same. The main test model is T200
Specification	:	802.11b/g/n HT20/HT40
Operation Frequency	:	2412-2462MHz for 802.11b/g/ n(HT20) 2422-2452MHz for 802.11n(HT40)
Number of Channel	:	11 channels for 802.11b/g/ n(HT20) 7 channels for 802.11 n(HT40)
Type of Modulation	:	DSSS with DBPSK/DQPSK/CCK for 802.11b; OFDM with BPSK/QPSK/16QAM/64QAM for 802.11g/n;
Antenna installation	:	ceramic antenna
Antenna Gain	:	3 dBi
Power supply	:	DC 12V via battery
Hardware Version	:	ON-N3S-MAIN-V0.3
Software Version	:	N3S-20220114



4 RF Exposure

Test Requirement : FCC Part 1.1307(b)(1)

Evaluation Method : FCC Part 2.1091

4.1 Requirements

Systems operating under the provisions of this section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy levels in excess limit for maximum permissible exposure. In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as a mobile device whereby a distance of 0.2 m normally can be maintained between the user and the device.

4.2 The procedures / limit

(A) Limits for Occupational / Controlled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-3.0	614	1.63	(100)*	6
3.0-30	1842 / f	4.89 / f	(900 / f)*	6
30-300	61.4	0.163	1.0	6
300-1500			F/300	6
1500-100,000			5	6

(B) Limits for General Population / Uncontrolled Exposure

Frequency Range	Electric Field	Magnetic Field	Power Density (S)	Averaging Time
0.3-1.34	614	1.63	(100)*	30
1.34-30	824/f	2.19/f	(180/f)*	30
30-300	27.5	0.073	0.2	30
300-1500			F/1500	30
1500-100,000			1.0	30

Note: f = frequency in MHz ; *Plane-wave equivalent power density



4.3 MPE Calculation Method

$$E \text{ (V/m)} = \frac{\sqrt{30 \times P \times G}}{d} \quad \text{Power Density: } P_d \text{ (W/m}^2\text{)} = \frac{E^2}{377}$$

E = Electric field (V/m)

P = Peak RF output power (W)

G = EUT Antenna numeric gain (numeric)

d = Separation distance between radiator and human body (m)

The formula can be changed to

$$P_d = \frac{30 \times P \times G}{377 \times d^2}$$

From the peak EUT RF output power, the minimum mobile separation distance, d=0.2m, as well as the gain of the used antenna, the RF power density can be obtained

4.4 Test Result

Item	Antenna Gain (numeric)	Max. Peak Output Power (dBm)	Peak Output Power (mw)	Power Density (mW/cm2)	Limit of Power Density (mW/cm2)	Result
2412	2	17.94	62.23	0.02476	1	Pass

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