



## FCC RF EXPOSURE REPORT

### CERTIFICATION TEST REPORT

*For*

#### IP CAMERA

**MODEL NUMBER: DH-IPC-WF22; DH-IPC-WF42; DH-IPC-WF22C; DH-IPC-WF42C; DH-IPC-HFW1230DT-STW; DH-IPC-HFW1430DT-STW; IPC-HFW1230DT-STW; IPC-HFW1430DT-STW; N21BF42-W; N41BF42-W; IPC-HFW1230DT-STW-0280B; IPC-HFW1230DT-STW-0360B; IPC-HFW1430DT-STW-0280B; IPC-HFW1430DT-STW-0360B**

**FCC ID: SVNDH-IPC-WFX2**

**REPORT NUMBER: 4790047575-2**

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*Prepared for*

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*Prepared by*

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Revision History

Rev.	Issue Date	Revisions	Revised By
V0	08/26/2021	Initial Issue	
V1	11/17/2021	Add series model as EUT Information.	

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## 1. ATTESTATION OF TEST RESULTS

### Applicant Information

Company Name: Zhejiang Dahua Vision Technology Co., Ltd  
Address: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

### Manufacturer Information

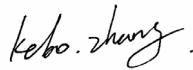
Company Name: Zhejiang Dahua Vision Technology Co., Ltd  
Address: No.1199, Bin'an Road, Binjiang District, Hangzhou, P.R. China

### EUT Information

EUT Name: IP CAMERA  
Model Name: DH-IPC-WF22  
Series Model: DH-IPC-WF42; DH-IPC-WF22C; DH-IPC-WF42C; DH-IPC-HFW1230DT-STW; DH-IPC-HFW1430DT-STW; IPC-HFW1230DT-STW; IPC-HFW1430DT-STW; N21BF42-W; N41BF42-W; IPC-HFW1230DT-STW-0280B; IPC-HFW1230DT-STW-0360B; IPC-HFW1430DT-STW-0280B; IPC-HFW1430DT-STW-0360B  
Model difference: Only the model name is different.  
Sample Received Date: July 29, 2021  
Sample Status: Normal  
Sample ID: 4168477  
Date of Tested: August 2, 2021 ~ August 25, 2021

APPLICABLE STANDARDS	
STANDARD	TEST RESULTS
FCC 47CFR§2.1091	PASS

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## 2. TEST METHODOLOGY

The tests documented in this report were performed in accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091.

## 3. FACILITIES AND ACCREDITATION

Accreditation Certificate	<p><b>A2LA (Certificate No.: 4102.01)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with A2LA.</p> <p><b>FCC (FCC Designation No.: CN1187)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. Has been recognized to perform compliance testing on equipment subject to the Commission's Declaration of Conformity (DoC) and Certification rules</p> <p><b>ISED (Company No.: 21320)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been registered and fully described in a report filed with Industry Canada. The Company Number is 21320.</p> <p><b>VCCI (Registration No.: G-20019, R-20004, C-20012 and T-20011)</b> UL Verification Services (Guangzhou) Co., Ltd. Song Shan Lake Branch. has been assessed and proved to be in compliance with VCCI, the Membership No. is 3793.</p> <p>Facility Name: Chamber D, the VCCI registration No. is G-20019 and R-20004 Shielding Room B, the VCCI registration No. is C-20012 and T-20011</p>
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Note: All tests measurement facilities use to collect the measurement data are located at Building 10, Innovation Technology Park, Song Shan Lake Hi tech Development Zone, Dongguan, 523808, China.

## 4. REQUIREMENT

### LIMIT AND CALCULATION METHOD

Systems operating under the provisions of FCC 47 CFR section shall be operated in a manner that ensures that the public is not exposed to radio frequency energy level in excess of the Commission's guidelines.

In accordance with 47 CFR FCC Part 2 Subpart J, section 2.1091 this device has been defined as mobile device whereby a distance of 0.2m normally can be maintained between the user and the device, and below RF Permissible Exposure limit shall comply with.

Limits for General Population/Uncontrolled Exposure

### RF EXPOSURE LIMIT

Frequency Range (MHz)	E-field Strength (E) (V/m)	Magnetic Field Strength (H) (A/m)	Power Density (S) (mW/cm <sup>2</sup> )	Averaging Time  E  <sup>2</sup> ,  H  <sup>2</sup> or S (Minutes)
0.3 -- 1.34	614	1.63	(100)*	30
1.34 -- 30	824/f	2.19/f	(180/f <sup>2</sup> )*	30
30 -- 300	27.5	0.073	0.2	30
300 -- 1500	--	--	f/1500	30
1500 -- 100,000	--	--	1.0	30

### CALCULATION METHOD

$$S = PG/4\pi R^2$$

Where:

S=power density

P=power input to antenna

G=power gain of the antenna in the direction of interest relative to an isotropic radiator

R=distance to the center of radiation of the antenna

**CALCULATED RESULTS**

WIFI 2.4G (Worst case)				
Operating Mode	Max. Tune up Power	Max. Directional Antenna Gain	Power density	Limit
	(dBm)	(dBi)	(mW/ cm <sup>2</sup> )	
WIFI 2.4G	17	4.44	0.0277	1

## Note:

1. The Power comes from report operation description.
2. The minimum separation distance of the device is greater than 20 cm.
3. Calculate by WORST-CASE mode.
4. Owing to the maximum Calculated Result is below the limit, so it deemed to comply with the basic restrictions without testing which means that no SAR is required.

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**END OF REPORT**