



No.:
REDSZ2025-0107-H

TEST REPORT

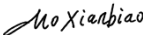
NAME OF SAMPLE : NeoEyes NE101 Sensing Camera

APPLICANT : Xiamen CamThink Technology Co., Ltd.

CLASSIFICATION OF TEST : N/A

CVC Testing Technology (Shenzhen) Co., Ltd.



Applicant	Name: Xiamen CamThink Technology Co., Ltd. Address: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China		
Manufacturer	Name: Xiamen CamThink Technology Co., Ltd. Address: Building C09, Software Park Phase III, Xiamen 361024, Fujian, China		
Equipment Under Test	Product Name: NeoEyes NE101 Sensing Camera Model Name: NE101-L01GL Additional Model Name: NT101-L01GL Brand Name: CamThink Serial NO.: N/A Sample NO.: 202507115892-5		
Date of Receipt.	Jul. 14, 2025	Date of Testing	Jul. 14, 2025 ~ Aug. 06, 2025
Test Specification		Test Result	
EN IEC 62311:2020 EN 50665:2017		PASS	
Evaluation of Test Result	The equipment under test was found to comply with the requirements of the standards applied. Seal of CVC Issue Date: Aug.06,2025		
Compiled by:  Zhu Yulin Name Signature	Reviewed by:  Mo Xianbiao Name Signature	Approved by:  Dong Sanbi Name Signature	
Other Aspects: NONE.			
Abbreviations:OK, Pass= passed Fail = failed N/A= not applicable EUT= equipment, sample(s) under tested			

This test report relates only to the EUT, and shall not be reproduced except in full, without written approval of CVC.



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RELEASE CONTROL RECORD

ISSUE NO.	REASON FOR CHANGE	DATE ISSUED
REDSZ2025-0107-H	Original release	Aug. 06, 2025



1. GENERAL INFORMATION

1.1 GENERAL PRODUCT INFORMATION

PRODUCT NAME	NeoEyes NE101 Sensing Camera	
BRAND NAME	CamThink	
MODEL NAME	NE101-L01GL	
ADDITIONAL MODEL NAME (Remark 6)	NT101-L01GL	
POWER SUPPLY	DC 6V(4*1.5V AAA battery)	
LTE CATEGORY	CAT 1	
ANTENNA TYPE	☐ External ☒ Integrated	
MODULATION TYPE	WiFi 2.4G	CCK, DQPSK, DBPSK for DSSS 64QAM, 16QAM, QPSK, BPSK for OFDM
	GSM	GMSK for GPRS;GMSK, 8PSK for EDGE
	LTE	QPSK/16QAM
GSM BAND	GSM900 / GSM1800	
LTE BAND	B1 / B3 / B5 / B7 / B8 / B20 / B28 / B34 / B38 / B40 /B41	
OPERATING FREQUENCY	WiFi 2.4G: 2412MHz ~ 2472MHz WWAN See section 1.3	
MAX CONDUCTED POWER	WiFi 2.4G: 19.98dBm(EIRP) WWAN See section 1.3	
ANTENNA GAIN (Remark 5)	WiFi 2.4G: PCB Antenna, with 3.26dBi gain WWAN: PCB Antenna, See section 1.3	
I/O PORTS	Refer to User's Manual	
CABLE SUPPLIED	N/A	
Remark:		
1. For more detailed features description, please refer to the manufacturer's specifications or the User's Manual.		
2. For the test results, the EUT had been tested with all conditions. But only the worst case was shown in test report.		
3. Please refer to the EUT photo document (Reference No.: REDSZ2025-0107-EUT) for detailed product photo.		
4. LTE CAT 1 16QAM (10MHz/15MHz/20MHz) not support full RB.		
5. Since the above data and/or information is provided by the client relevant results or conclusions of this report are only made for these data and/or information, CVC is not responsible for the authenticity, integrity and results of the data and information and/or the validity of the conclusion.		
6. This sample only differs in model name.		

1.2 DESCRIPTION OF ACCESSORIES

N/A



1.3 OPERATING FREQUENCY

Mode	Band	TX(MHz)	RX(MHz)	Max Conducted Power(dBm)	Max Average Power(dBm)	Gain(dBi)
GSM	GSM 900 (1 Tx slot)	880 ~ 915	925 ~ 960	35.00	26.00	-7.62
	GSM 1800 (1 Tx slot)	1710 ~ 1785	1805 ~ 1880	32.00	23.00	-1.27

Mode	Band	TX(MHz)	RX(MHz)	Max Average Power(dBm)	Antenna Gain(dBi)
LTE	LTE B1	1920 ~ 1980	2110 ~ 2170	25.00	2.09
	LTE B3	1710 ~ 1785	1805 ~ 1880	25.00	-1.27
	LTE B5	824 ~ 849	869 ~ 894	25.00	-6.02
	LTE B7	2500 ~ 2570	2620 ~ 2690	25.00	2.6
	LTE B8	880 ~ 915	925 ~ 960	25.00	-7.62
	LTE B20	832 ~ 862	791 ~ 821	25.00	-6.02
	LTE B28	703 ~ 748	758 ~ 803	25.00	-4.82
	LTE B34	2010 ~ 2025	2010 ~ 2025	25.00	2.04
	LTE B38	2570 ~ 2620	2570 ~ 2620	25.00	2.73
	LTE B40	2300 ~ 2400	2300 ~ 2400	25.00	1.32
	LTE B41	2496 ~ 2690	2496 ~ 2690	25.00	2.73



2. RF EXPOSURE MEASUREMENT

2.1 INTRODUCTION

This International Standard applies to electronic and electrical equipment for which no dedicated product- or product family standard regarding human exposure to electromagnetic fields applies.

The frequency range covered is 0 Hz to 300 GHz.

The object of this generic standard is to provide assessment methods and criteria to evaluate such equipment against basic restrictions or reference levels on exposure of the general public related to electric, magnetic and electromagnetic fields and induced and contact current.

2.2 LIMIT

According to EN 62311: 2020, the criteria listed in the following table shall be used to evaluate the environmental impact of human exposure to radio-frequency (RF) radiation

FREQUENCY RANGE	E-FIELD STRENGTH (V/m)
10MHz-400MHz	26
400MHz-2000MHz	$1.375 f^{1/2}$
2GHz-300GHz	61

NOTE: F is operating frequency in MHz

2.3 CLASSIFICATION OF THE ASSESSMENT 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 for keeping at least 20cm separation distance and the prohibition prohibition of operating to a person has been printed on the wireless easy install sheet. So, this product under normal use is located on electromagnetic far field between the human body.

Far Field Calculation Formula

$$E = \eta_0 H = \frac{\sqrt{30PG(\theta, \phi)}}{r}$$

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
 η_0 = Characteristic impedance of free space



2.4 TEST RESULTS

Mode	Band	Max Average Power(dBm)	Antenna Gain(dBi)	E-Field Strength (V/m)	E-Field Strength Limit (V/m)	Ratio	Pass / Fail
WiFi 2.4G	2412-2472	16.72	3.26	8.64	61.00	0.020	PASS
GSM Band	GSM 900	26.00	-7.62	7.19	40.79	0.031	PASS
	GSM 1800	23.00	-1.27	10.57	56.86	0.035	PASS
LTE Band	LTE B1	25.00	2.09	19.59	60.25	0.106	PASS
	LTE B3	25.00	-1.27	13.31	56.86	0.055	PASS
	LTE B5	25.00	-6.02	7.70	39.47	0.038	PASS
	LTE B7	25.00	2.6	20.78	61.00	0.116	PASS
	LTE B8	25.00	-7.62	6.41	40.79	0.025	PASS
	LTE B20	25.00	-6.02	7.70	39.66	0.038	PASS
	LTE B28	25.00	-4.82	8.84	36.46	0.059	PASS
	LTE B34	25.00	2.04	19.48	61.00	0.102	PASS
	LTE B38	25.00	2.73	21.09	61.00	0.120	PASS
	LTE B40	25.00	1.32	17.93	61.00	0.086	PASS
	LTE B41	25.00	2.73	21.09	61.00	0.120	PASS
The EUT contains a certified module (Model No.: EG912U-GL), according to the MPE report: EA2D1203.							

CALCULATION FOR SIMULTANEOUS TRANSMISSION:

WiFi 2.4G and WWAN can transmit simultaneously, the formula of calculated the exposure is:

$$(CEF1/LEF1)^2 + (CEF2/LEF2)^2 + \dots \text{etc.} < 1$$

CEF= Calculation E-Field Strength

LEF= Limit of E-Field Strength

WiFi 2.4G + WWAN = $(8.64/61.00)^2 + (21.09 / 61.00)^2 = 0.140 < 1$, which is less than the "1" limit, is compliant with the RF exposure requirements.

----- End of the Report -----



Important

- (1) The test report is invalid without the official stamp of CVC;
- (2) Any part photocopies of the test report are forbidden without the written permission from CVC;
- (3) The test report is invalid without the signatures of tester, reviewer and approver;
- (4) The test report is invalid if altered;
- (5) Objections to the test report must be submitted to CVC within 15 days;
- (6) Generally, commission test results apply to the samples as received. The sample information is provided by the customer and laboratory is not responsible for its authenticity;
- (7) As for the test result “-” or “N” means “not applicable”, “/” means “not test”, “P” means “pass” and “F” means “fail”

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