



Reliability Laboratory

TEST REPORT



Report No.: HC80058/2024

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Date: August 29, 2024

VIVOTEK INC.

6F., NO. 192, LIEN-CHENG RD., CHUNG-HO.,

NEW TAIPEI CITY, TAIWAN, R.O.C.

The following merchandise was submitted and identified by the vendor as:

Product Description: IP Camera

Style/ Item No.: IB9389-EHTV-V3/ No.1

Manufacturer/Vendor: VIVOTEK Inc.

Quantity: Total 1 piece

Testing Period: Aug. 15, 2024 to Aug. 16, 2024

Note: (Client's declaration) The style IB9389-EHTV-V3, IB9389-EHV-V3, IB9399-EHTV, IB9399-EHV and IB839-EHTV-V2 use the identical enclosure.

We have tested the submitted sample(s) as requested and the following results were obtained:

Test Required:

Test for Degrees of Protection Provided by Enclosures (IEC 60529 Edition 2.2: 2013)

IP Code	IP6X
First characteristic numeral	Degrees of protection against access to hazardous parts and against solid foreign objects
Second characteristic numeral	Omitted

Test Results:

Conclusion
Submittals sample(s) comply with the requirement and acceptance conditions of IEC 60529 Edition 2.2: 2013 Degrees of Protection Provided by Enclosures -- IP6X
The detailed description of test result, please see attached sheet(s).

Signed for and on behalf of
SGS TAIWAN Ltd.

Hank Chiou
Asst. Manager

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Test for Degrees of Protection Provided by Enclosures:Test Equipment:

Name	Brand	Model	Serial No.
1.0 mm Test Wire Probe	ED&D	TRP-02	L12470907
Digital Force Gauge	SHIMPO	FGE-500HX	ETL-0248/Z9812J544
Dust Tester	T-MACHINE	TMJ-9723S	T-23-110708

Lab Environmental Conditions:

Ambient temperature: (15 ~ 35)°C
Ambient humidity: (25 ~ 75) % RH
Ambient pressure: (86~106) kPa

Test Location:

No.33, Wu Chyuan Road, New Taipei Industrial Park, WuKu District,
New Taipei City, Taiwan

Test Method/ Specification:

Test method: IEC 60529 Edition 2.2: 2013 --IP6X

1. Test for protection against access to hazardous parts:

Test method: The test wire with 1.0 mm in diameter and 100 mm long is pushed against or inserted through any openings of the enclosure with designated force. Examine whether the test wire touches the hazardous live parts inside the enclosure or not.

Test force: 1 N±10 %

2. Test for protection against solid foreign objects:

Test method: Dust test

Sample condition: Non-Operating

Category of enclosure: Category 1

Type of dust: Talcum powder

The amount of dust: 2 kg per cubic meter of the chamber volume

The maximum depression: < 20 mbar

Test duration: 8 hours

- Examine the protection against ingress dust of specimen(s) after this test.

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Specimen:Style/ Item No.: IB9389-EHTV-V3/ No.1Quantity: Total 1 pieceTest Result:

A. Degrees of protection against access to hazardous parts and against solid foreign objects (IP6X)

A-1 Test for protection against access to hazardous parts (IP6X)

Test Result		
Check Item		Style/ Item No.
		IB9389-EHTV-V3/ No.1
1	Does the test wire penetrate any openings of the enclosure?	No
2	(followed check item 1) If the test wire penetrates any openings of the enclosure, does the test wire touch any hazardous live parts or any hazardous mechanical parts?	N/A
3	(followed check item 2) Does adequate clearance be kept between the test wire and hazardous live parts or hazardous mechanical parts?	N/A

Note 1: N/A means "Not Applicable".

The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.2: 2013 and in accordance with the acceptance conditions specified by client.

A-2 Test for protection against solid foreign objects (IP6X)

Test Result		
Check Item		Style/ Item No.
		IB9389-EHTV-V3/ No.1
1	Does any dust deposit inside the enclosure?	No

Note 1: N/A means "Not Applicable".





The check items in this test report for inspecting the degree of protection provided by enclosures are reference to the requirements specified in IEC 60529 Edition 2.2: 2013 and in accordance with the acceptance conditions specified by client.

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Test Photos:

	
1. Appearance of specimen	2. Appearance of specimen
	
3. Test for protection against solid foreign objects (Dust test)	4. Test for protection against solid foreign objects (Dust test)

— — — The End of Test Report — — —

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