

Report No.: HCN0076/2012

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Date: December 10, 2012

GEOVISION INC.

9F., NO. 246, SEC. 1, NEIHU RD., NEIHU DISTRICT, TAIPEI CITY, TAIWAN, R.O.C.

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

Product Description: Megapixel H.264 WDR 3x IR Bullet IP Camera

BL1210/ No. 1 Style/ Item No.: Manufacturer/ Vendor: Geovision Inc.

Country of Origin: Taiwan

Quantity: Total 1 piece

Dec. 6, 2012 to Dec. 10, 2012 Testing Period:

Note: (Client's declaration) The BL1200, BL1300, BL2400, BL3400;

BL1510, BL2410, BL3410, BL5310 used 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 2.1: 2001)

Test for Degrees of Protection Provided by Enclosures (IEC 00329 Edition 2.1. 2001)		
IP Code	IP67	
	Degrees of protection against access to hazardous parts and against solid foreign objects	
Second characteristic numeral	Degrees of protection against ingress of water	

Test Results:

Conclusion

Submittals sample(s) comply with the requirement and acceptance conditions of IEC 60529 Edition 2.1: 2001 Degrees of Protection Provided by Enclosures -- IP67 The detailed description of test result, please see attached sheet(s).

> Signed for and on behalf of SGS TAIWAN Ltd.

Winson Tseng Asst. Manager

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<u>Test for Degrees of Protection Provided by Enclosures:</u>

Test Equipment:

Name	Brand	Model	Serial No.
1.0 mm Test Wire Probe	ED&D	TRP-02	B0050180
Digital Force Gauge	ALGOL	HF-50	HF-106764
Dust Tester	T-MACHINE	TMJ-9723S	T-23-110708
IPX7/IPX8 Immersion Tank	Self-made	SGS-ETR-0201	000001

Lab Environmental Conditions:

Ambient temperature: $(25 \pm 3) \,^{\circ}$ C (55 ± 20) % RH Ambient humidity:

Test Method/ Specification:

Test method: IEC 60529 Edition 2.1: 2001--IP67 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 Type of dust: Talcum powder

The amount of dust: 6.75 kg 3.375 m^3 The chamber size: The maximum depression: -20 mbar Test duration: 8 hours

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

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Test Method/ Specification--Continued:

3. Test for protection against water:

Test means: Completely immerse the specimen in water in its service position as

specified by client.

Sample condition: Operating (Power on)

Test condition: See below items marked "o",

The lowest point of enclosures with a height less than 850 mm is

located 1000 mm below the surface of the water

The highest point of enclosures with a height equal to or greater than

850 mm is located 150 mm below the surface of the water

Test duration: 30 minutes

Test device: As shown in photo 7, 8

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

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Specimen:

Style/ Item No.: BL1210/ No. 1 Quantity: Total 1 piece

Test 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.	
Check Item	BL1210/ No. 1	
1 Does the test wire penetrate any openings of the enclosure?	No	
(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	
(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".

Note 2: 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 2.1: 2001 and in accordance with the acceptance conditions specified by client.

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

Test Result		
Charle Idam	Style/ Item No.	
Check Item	BL1210/ No. 1	
Does any dust deposit inside the enclosure at the end of the test?	No	

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

Note 2: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 2.1: 2001 and in accordance with the acceptance conditions specified by client.

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Test Result--Continued:

B. Degree of protection against ingress of water (IPX7)

Test Result		
Check Item		Style/ Item No.
		BL1210/ No. 1
1	Does any water enter the enclosure?	No
2	(followed check item 1) If any water has entered, does the water accumulate near the cable end or live parts?	N/A
2.1	(followed check item 2) Does the water be sufficient to interfere with the correct operation of the equipment or impair safety?	N/A
2.2	(followed check item 2.1) Does the water deposit on insulation parts where it could lead to tracking along the creepage distances?	N/A
2.3	(followed check item 2.2) Does the water reach live parts or windings not designed to operate when wet?	N/A

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

Note 2: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 2.1: 2001 and in accordance with the acceptance conditions specified

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Test Photos:



Appearance of specimen



Appearance of specimen



Test for protection against access to hazardous parts



Test for protection against access to hazardous parts



Test for protection against solid foreign objects (Dust test)



Test for protection against solid foreign 6. objects (Dust test)

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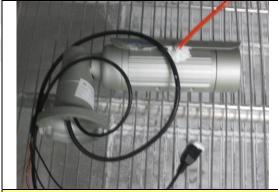
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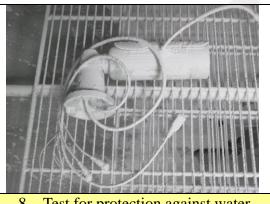
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Test Photos--Continued:



Test for protection against water



Test for protection against water

The End of Test Report

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