



Reliability Laboratory

TEST REPORT

Report No.: HC10067/2013

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Date: January 31, 2013

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: IP CAM

Style/ Item No.: GV-SD220-S20X/ No. 1

Manufacturer/ Vendor: Geovision Inc.

Country of Origin: Taiwan

Quantity: Total 1 piece

Testing Period: Jan. 17, 2013

Note: (Client's declaration) The GV-SD012-S18X, GV-SD012-S36X,
GV-SD220-S30X, GV-SD210-S20X, GV-SD210-S30X,
GV-SDI-SD2200-S20X, GV-SDI-SD2200-S30X, GV-SDI-SD2201-S20X,
GV-SDI-SD2201-S30X 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)

IP Code	IPX7
First characteristic numeral	Omitting
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 -- IPX7 The detailed description of test result, please see attached sheet(s).

Signed for and on behalf of
SGS TAIWAN Ltd.

Hank Chiou
Asst. Supervisor

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

Name	Brand	Model	Serial No.
IPX7/IPX8 Immersion Tank	self-made	SGS-ETR-0201	000001

Lab Environmental Conditions:Ambient temperature: $(25 \pm 3) ^\circ\text{C}$ Ambient humidity: $(55 \pm 20) \% \text{ RH}$ Test Method/ Specification:Test method: IEC 60529 Edition 2.1:2001--IPX7Test for protection against water:Test means: Completely immerse the specimen in water in its service position as specified by client.Sample condition: Non-OperatingTest condition: See below items marked “●”.

●	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 minutesTest Device: As shown in photo 2, 3

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

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Specimen:

Style/ Item No.: GV-SD220-S20X/ No. 1

Quantity: Total 1 piece

Test Result:

Degree of protection against ingress of water (IPX7)

Test Result		
Check Item		Style/ Item No.
		GV-SD220-S20X/ 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 creep age 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 by client.		

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Test Photos:



— — —The End of Test Report — — —

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