

**Reliability Laboratory** 

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 HC10243/2013

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 Date:
 February 21, 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:** Megapixel H. 264 WDR Arctic Box IP Camera GV-BX1500-E/ No.1 Style/ Item No.: Manufacturer/Vendor: Geovision Inc. Country of Origin: Taiwan Quantity: Total 1 piece Feb. 18, 2013 to Feb. 20, 2013 **Testing Period**: (Client's declaration) The GV-BX2400-E, GV-BX3400-E, GV-BX5300-E, Note: GV-LPR CAM 10A and GV-Hybrid LPR Camera 10R used the identical enclosure.

We have tested the submitted sample(s) as requested and the following results were obtained: <u>Test Required:</u>

Test for Degrees of Protection Provided by Enclosures (IEC 60529 Edition 2.1: 2001)

<b>IP Code</b>	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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> SGS Taiwan Ltd. M 台灣檢驗科技股份有限公司\_\_\_t

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### **TEST REPORT**

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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	B0050180
Digital Force Gauge	ALGOL	HF-50	HF-106764
Dust Tester	T-MACHINE	TMJ-9723C	T-23-050411
IPX7/IPX8 Immersion Tan	k Self-made	SGS-ETR-0201	000001
	C C C C C		
Lab Environmental Cond			
Ambient temperature:	<u>(25 ± 3) °C</u>		
Ambient humidity:	(55 ± 20) % RH		
Test Method/ Specification	on:		
Test method:	IEC 60529 Edition 2.1: 2001-	IP67	
1. Test for protection a	against access to hazardous pa	rts:	
Test method:	The test wire with 1.0 mm in	diameter and 100 mm lon	g is pushed again
	or inserted through any openi	ngs of the enclosure with	designated force.
	Examine whether the test wir	e touches the hazardous li	ve parts inside the
	enclosure or not.		
Test force:	<u>1 N±10 %</u>		
2. Test for protection a	gainst solid foreign objects:		
Test method:	Dust test		
Sample condition:	Non-Operating		
Type of dust:	Talcum powder		
The amount of dust:	<u>2 kg</u>		
The chamber size:	$1 \text{ m}^3$		
The maximum depression			
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:	Non-Operating
Test 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:	<u>30 minutes</u>
Test device:	As shown in photo 7, 8

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

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Style/ Item No.: Quantity:

GV-BX1500-E/ No.1 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		
Style/ Item No	0.	
GV-BX1500-E/ No.1		
No		
N/A		
N/A		
	N/A y enclosures are reference acceptance conditions s	

by client.

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

Test Result	
Charle Harry	Style/ Item No.
Check Item	GV-BX1500-E/ No.1
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 prov requirements specified in IEC 60529 Edition 2.1: 2001 and in accordance with by client.	

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#### Test Result--Continued:

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

Test Result		
Style/ Item No.		
-BX1500-E/ No.1		
No		
N/A		

port 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.

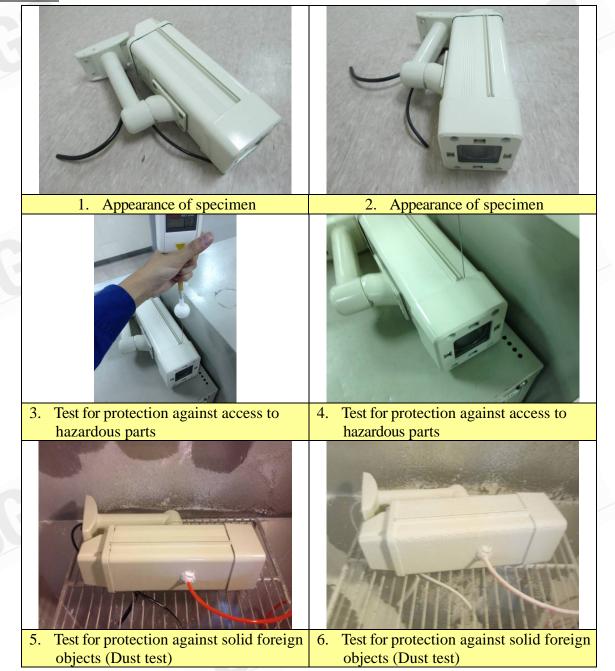
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Test Photos:



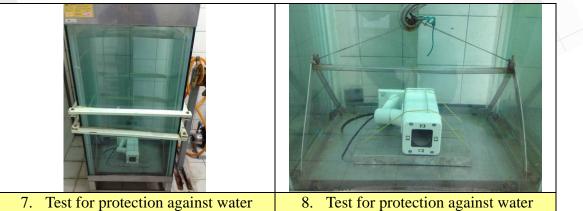
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#### Test Photos--Continued:



### **The End of Test Report**

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