

TEST REPORT

Report No.: B106RE0047

Report Date: 2017/03/03

<p>Customer: ACUMEN Int. Corp.</p>
<p>Address: 4F., No.6, Aly. 8, Siwei Ln., Zhongzheng Rd., Xindian Dist., New Taipei City 23148, Taiwan (ROC)</p>
<p>Test Lab.: Environment Testing Laboratory</p>
<p>Test Item: Vibration & Mechanical Shock Test</p>
<p>Testing Category: Test For Research</p>
<p>Product: MOBILE DVR</p>
<p>Model: AiV-D</p>

This report consisted of 5 pages in total which including 1 cover page.

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The test result of this report applied only to the tested subject.



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Product Identification Information:

Product Name: MOBILE DVR

Product Model: AiV-D

Product Number: #1

Environment Condition :

Temperature : 21 ~23°C ; Humidity : 53 ~56%RH

Test Standard and Procedure: According to test specification provided by client.

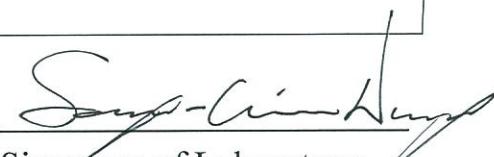
1. Reference ISO 16750-3(2007) / CNS 15481-3(2011) Sec 4.1.2.4 Vibration Test

- Frequency : 10 ~ 1,000 Hz
- Acceleration : 27.8 m/s²
- Test direction : X / Y / Z axis
- Test duration : 8 hrs / axis
- Operating status : Operating Mode 3.2

Frequency (Hz)	Power Spectral Density (m/s ²) ² /Hz
10	20
55	6.5
180	0.25
300	0.25
360	0.14
1000	0.14

2. Reference ISO 16750-3(2007) / CNS 15481-3(2011) Sec 4.2.2 Mechanical Shock Test

- Shock waveform : Half sine
- Acceleration : 500 m/s²
- Shock duration : 6 ms
- Test axis : ±X /±Y /±Z axis
- Number of shock : 10 shocks per direction (total 60 shocks)
- Operating status : Operating Mode 3.2


Signatory of Laboratory

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Test Equipment:

4400 lb Shaker (M/N : EM-2000F2K75N400 ; S/N : TH110237401)

Power Supply (M/N:GW GPR-3030HD ; S/N:A220051)

Test Result:

- Test Date : 2017/02/15 ~ 2017/02/17

1. Vibration Test :

Product Number	Axis	Date	Test Result
#1	X	2/15	Function status was class A
	Y	2/16	Function status was class A
	Z	2/17	Function status was class A

2. Mechanical Shock Test :

Product Number	Axis	Date	Test Result
#1	±X	2/17	Function status was class A
	±Y	2/17	Function status was class A
	±Z	2/17	Function status was class A

Picture description :

Fig.1 Show the specimens of the Vibration Test.

Fig.2 Show the specimens of the Mechanical Shock Test.

Note:

The final evaluation shall be confirmed by client.

Function status class A : During and after the test, the PWR 、 ACC was lighted, RUN was flashing.

Operating mode 3.2 : systems/components with electric operation and control in typical operating mode.