

QE 【Workstation / Panel PC】 P5 Verification Test Report

Release No : 08P010001

Product Model	AVR-3000			
Description	Mobile 4 channel DVR			
Test Configuration	<input checked="" type="checkbox"/> New product <input checked="" type="checkbox"/> PCB : AVR-3000 A1.0 <input checked="" type="checkbox"/> BIOS : AVR-3000 BIOS Rev1.0 (11/05/2007) <input checked="" type="checkbox"/> Chipset : <input checked="" type="checkbox"/> North Bridge : Intel 852GM <input checked="" type="checkbox"/> South Bridge : Intel ICH4 <input checked="" type="checkbox"/> Capture Card : Softwell DVC-3110-SW-A <input checked="" type="checkbox"/> VGA Chipset : Intel 852GM Integrated VGA <input checked="" type="checkbox"/> Audio Chipset : Realtek ALC655 6CH AC97 CODEC <input checked="" type="checkbox"/> Ethernet Chipset : Intel 82551ER 10/100Mbps (Option: Intel 82541 1GBps) <input checked="" type="checkbox"/> I/O Chipset : ICH4+ITE8712I/K x2 for 4 COM Port Support <input checked="" type="checkbox"/> TV Chipset : Chrontel 7009 <input checked="" type="checkbox"/> Remark : QE P5 Report for AVR-3000			
Test Result Summary				
	Critical	Major	Minor	Enhancement
Defect Found	0	0	0	0
Defect Unsolved	0	0	0	0
<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail <input type="checkbox"/> Pass with Deviation Comment: _____ _____				

2008/02/20

Issue date

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There are 3 test results in this document; they are described as follows:

- Pass: Function worked perfectly
- Fail: Function failed and must be modified in the next version
- N/A: Outside of specifications or no test equipment

The test report would be tested and updated after version changed.

Platform Information:

Item	Device Information
PCB Model / Version	AVR-3000 A1.0 AEC-6910-A2 / PCM-8150 REV : A2.0-C(AEC-6910-A2 for AVR-3000)
BIOS / Version	AVR-3000 BIOS Rev1.0 (11/05/2007)
CPU Type	Intel Celeron M 1.3GHz FSB400MHz
Memory Type	DSL 256MB DDR333 ELPIDA D5116AFTA-6B-E
Primary IDE Master	TOSHIBA HDD2187 20GB
USB CD ROM	ASUS 5232AX-U
Compact Flash	Transcend 1GB (Industrial)
CRT	View Sonic E70
Video Chipset Vendor / Model	WE-1X04P for CCD
Display type Support	4 CH BNC cable
CCD IR Camera	VDI VDI-2001CIH * 4 / NTSC mode / DC 12
Capture Card	Softwell DVC-3110-SW-A
Operating System	Red Hat Linux 2.4.20-8 (Kernel)
Power Supply	AT Power FSP GROUP INC / FSP120-AAB DC 19V

1. I/O Peripheral Function Test

The Result:

I/O Function	Result			Note
	Pass	Fail	N/A	
Primary IDE Master	X			
Compact Flash – Type I	X			
COM 1-232			X	
COM 2-232			X	
COM 3-232			X	
COM 4-232			X	
PS/2 Mouse & Keyboard	X			
Audio Connector			X	
VGA Connector	X			
LPT 1			X	
USB 1/2 Ports	X			
USB 3/4 Ports	X			
Card Bus			X	
DIMM Slots	X			

2. O.S Compatibility Test

2-1. English Linux RedHat 2.4.20-8 (Kernel)

Software Tools option Check	Function		N/A	Note
	Pass	Fail		
DVR-system : DVR 3643 Test video REC	X			

4 Chanel test	Function		N/A	Note
	Pass	Fail		
Click icon to run is Single view mode.	X			
Clicking icon will display 4 camera images on the screen.	X			

Option Storage Device Check	Function		N/A	Note
	Pass	Fail		
IDE HDD Function (Install Linux Auto format HDD function)	X			
Install OS to CF Transcend 1GB	X			
Test USB Flash Drives Boot (Transcend / TS2GJFV20 2GB)	X			
To use USB CD-ROM ASUS 5232AX-U install OS	X			

Image RCD function Check	Function		N/A	Note
	Pass	Fail		
The Linux image CD recovery function Check	X			

Watchdog Check	Function		N/A	Note
	Pass	Fail		
The Watchdog function	X			

3. Power Consumption Test (Run Rec video)

Platform Information

PCB Model / Version	AVR-3000 A1.0 AEC-6910-A2 / PCM-8150 REV : A2.0-C(AEC-6910-A2 for AVR-3000)
BIOS	AVR-3000 BIOS Rev1.0 (11/05/2007)
Adapter	FSP FSP120-AAB AC Power Adapter ,input voltage range 100V~240V 1. (DC Output: 19V / 6.32A) 2. AT Power function

Environment Model	Test	Note
Os Environment	English Windows XP Pro	AT Mode
Normal Mode (+9V)	3.14	A
Normal Mode (+12V)	2.36	A
Normal Mode (+24V)	1.19	A
Normal Mode (+30V)	0.98	A