



VG-48016EX-96032EX

Technical Specification (Extreme Series Board)

Board Model No	48016EX (One board)	96032EX (Two board)
1. Camera Input	16 channel	32 channel
2. Audio In	16 channel	32 channel
Audio Card	Integrated into DVR board	
3. Sensor Input	16 channel	32 channel
4. Relay Out	4 channel	8 channel
5. Composite Out	1 port (Same multi view as in monitor)	1 port or 2 port (Divide the channel)
6. Compression Codec	H.264 / MPEG4 Hardware Codec	
7. Available channel No. for each resolution		
NTSC		
352 x 240	16 channel	32 channel
704 x 240	16 channel	32 channel
704 x 480	16 channel	32 channel
PAL		
352 x 288	16 channel	32 channel
704 x 288	16 channel	32 channel
704 x 576	16 channel	32 channel
8. Display Frame Rate (Note 1)		
NTSC	Real Time	Real Time
PAL	Real Time	Real Time

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9.	Frame Rate at Recording Mode	
	NTSC	Per each channel x 16 ch
	352 x 240	30 fps/ch
	704 x 240	15 fps/ch
	704 x 480	7.5 fps/ch (30 fps x 4ch)
	PAL	Per each channel x 32 ch
	352 x 288	25 fps/ch
	704 x 288	12.5 fps/ch
	704 x 576	6.25 fps/ch (25 fps x 4ch)
10.	File Size (KB/frame)	
	NTSC	
	352 x 240	0.5 - 4 KB/frame
	704 x 240	2 - 16 KB/frame
	704 x 480	2 - 16 KB/frame
	PAL	
	352 x 288	0.7 - 5 KB/frame
	704 x 288	2.5 - 20 KB/frame
	704 x 576	2.5 - 20 KB/frame
11.	Image format	YUV
12.	Recording Mode	
	Mode	Normal, Motion Detection, Sensor, Event (Holiday Scheduling)
	Main DVR	Live
	Network PC	Built-in WEB Server and Multiclient Software
13.	Searching	
	Main DVR	Smart Search, Panorama, Icon Search with Audio
	Remote PC	WEB/Client Remote Smart Search and Local Searching
	Web (over Internet)	Remote Search with Audio with POS Text data
14.	Back-Up	
	Media	DAT, CD, DVD, Network Drive
	Saving (moving image)	AVI (Special and STD)
	Saving (static image)	BMP from search, backup viewer
	Web (over Internet)	AVI Back up
15.	Remote Connections	
	Modem	PSTN, ISDN
	TCP/IP	Cable Modem, DSL, Ethernet
16.	PTZ Interface	
	Supporting Protocol	RS232/RS422/RS485
	Availability	More than 45 camera at present
		Main DVR, Remote PC, Web Search over internet
17.	Other features	
	Image Security	WaterMark
	Application software	POS , Access control , ATM , PDA etc
	Notification	Event and Video Loss (Sound Alarm, Relay, E-mail, Phone, Preset)
	Protect System	Hardware Watchdog
	Backup Viewer	Viewer of Backup Data stored other place
	Quick Viewer	Emergency Data Recovery
	IP SERVER	Remote viewing by Dynamic IP user
	DB Tool	Generating Index in detached HDD to use at other machine
18.	System Requirements	
	CPU	Equivalent or Better than Pentium IV- 2.8GHz
	Main Board	Intel, ASUS, GigaByte, MSI Main board equipped with Intel 845PE, 865, 915 Chipset
	RAM	512 MB to 1 GIG for 32Ch
	VGA	Later than ATI 9000 or Extreme(II) built-in VGA
Note 1: Actual performance data is based upon the Intel 915 Main board.		

Authorized Dealer:

