

Technical Specification

Model	DVR8A+	DVR16B+	DVR4E+/8E+/16E+	
General				
Operation System	Embedded OS			
Operation GUI	OSD (On Screen Display) menu			
Multitask	Triplex (simultaneously record, playback and live camera viewing)		Quadplex (simultaneously record, playback, live camera viewing and IP video streaming for CMS support)	
Built-in HDD Capacity	Max. 1 no. of hard disk, from 80GB up to 500GB (for 8A+ model only)			
	Max. up to 3 hard disks, i.e. 80GB up to 1,500GB (others)			
Video				
Format	NTSC/PAL			
Compression	Secured MPEG-4			
Input	8 channels	16 channels	4/8/16 channels	
Output	Monitor A: 1 SVGA		Monitor A: 1 SVGA	
	Monitor B: 1 BNC (Multi)		Monitor B: 1 BNC (Multi)	
			Monitor C: 1 BNC (Spot out/ Sequence/ Triggered)	
Display	Speed	8Ch: NTSC/PAL 32fps	16Ch: NTSC/PAL 64fps	
				4Ch: NTSC 120fps, PAL 100fps
				8Ch: NTSC 240fps, PAL 200fps
			16Ch: NTSC 480fps, PAL 400fps	
	Screen Division	1/4/9	1/4/9/16	
Properties	Colour/Contrast/Brightness			
Smart Adaptive Exposure (SAE)	N/A		On/Off	
Recording	Max. Frame Rate (@ CIF)	NTSC/PAL: 32fps	NTSC/PAL: 64fps	
				4Ch: NTSC 120fps, PAL 100fps
	Max. Frame Rate (@ Full)	NTSC/PAL: 32fps	NTSC/PAL: 64fps	NTSC/PAL: 120fps/100fps
				8/16Ch: NTSC/PAL 240fps/200fps
	Resolution	NTSC : 320x240 and 640x480		
	PAL: 352x288 and 704x576			
Recording Mode	Alarm Trigger / Motion Detection / Continuous / Schedule recording		Alarm Trigger / Motion Detection / Continuous / Schedule recording / Trigger to Real Time	
Search & Playback	Search Mode	Time-base/Event-list/Camera		
	Playback Control	Fast forward/backward playback, forward frame playback		
Audio & Alarm I/O				
Audio	Input/Output	2 channels / 2 channels		
	Interface	Mini stereo jack		
Alarm	Input	2 channels		
	Output	4 channels i.e. Video Loss, Hard disc Failure, HD Full (98%), and Alarm indicator		
	Trigger Modes	Video loss, motion detection, and sensor input		

DVR Technical Specification

Model		DVR8A+	DVR16B+	DVR4E+/8E+/16E+
Network				
Interface		10/100 base Ethernet (RJ-45)		
Protocol		TCP/IP, HTTP, DHCP, FTP, UDP, SMTP, PPP, SNTP		
Other Function				
Control		Remote IR controller,		
		Web-based remote access,		
		Central Monitoring System (CMS) (for E+ model only)		
Remote Alarm		Email, CMS reporting (for E+ model only)		
Remote Monitoring Software		N/A		Central Monitoring System (CMS) Software (optional)
Modem		RS-232		
PTZ		RS-232		
Motion Detection		Built-in		
System Protection		Watch-dog		
Backup	Storage	N/A	CD-RW	DVD writer, Network (via CMS)
	File	Proprietary IFS, AVI		
Password		Two-level authorization (Supervisor, User)		Three-level authorization (Supervisor, Super User, User)
Electrical				
Power Requirements		115VAC / 230VAC input, 50/60 Hz		
Power Consumption		Less than 200 watts power consumption		
Mechanical				
Weight		About 11 kg		
Dimensions (W x H x D)		14.2"x5.5"16.1"		
Environmental				
Operating Temperature		0°C to 45°C		
Storage Temperature		0°C to 50°C		
Relative Humidity in Operation		10% - 85%		
Relative Humidity in Storage		5% - 90%		
Remote PC Minimum Requirement				
Operating System		Microsoft Windows XP (with Service Pack 2)		
CPU		Intel Pentium IV 1.6GHz		
RAM		512MB		
Hard Disk		20GB, at least 5GB free space		
Web Browser		Microsoft Internet Explorer 6.0	Microsoft Internet Explorer 6.0 and above	
VGA Card		1024x768, at least 16-bit color depth		
Ethernet		10/100 Base-T		