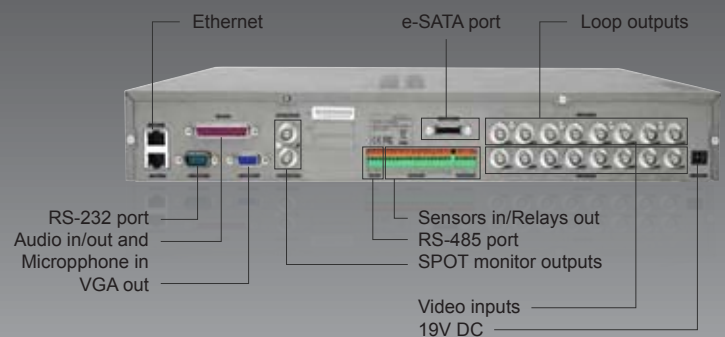
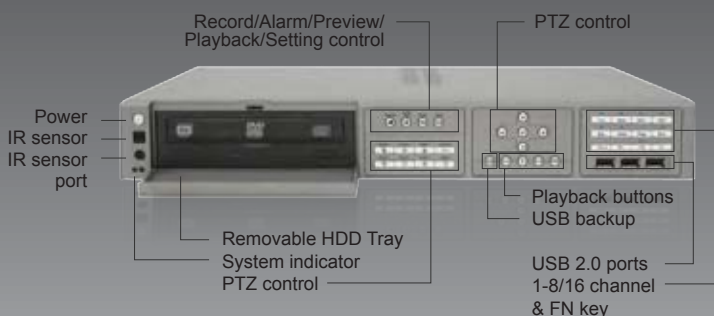


Front Panel Connections				
Front panel controls	Power switch, Keypad, PTZ Controls			
DVD writer	Included, supported medias: DVD±R, DVD±RW			
USB 2.0 Ports	3			
Rear Panel Connections				
Video Inputs (analog)	8 - Looping, BNC connectors			
Video Inputs (IP)	8 video H.264/MPEG4/JPEG data streams			
Video Output	1 - VGA, 2 BNC Spots (1alarm, 1 for duplicate video)			
Audio Input/Output	8/1			
Microphone Input	1			
Alarm Inputs/Relay Outputs	16/4			
E-SATA Port	1			
Communication	1x - RS232, 1x - RS485 for POS/PTZ			
AC Power	Power Adapter, 19V DC			
Unit				
Operating system	Embedded Linux			
Compression (analog)	Hardware: H.264			
Video Format	Analog	NTSC: 352x240 (CIF), 720x240 (Half-D1), 720x480 (D1)		
	IP	Up to 5MP for one channel, and a combined total of 8MP for all CHs in H.264/MPEG4/MJPEG		
Recording Rates	Analog	Individually Adjustable (0 - 30fps for analog inputs)	CIF	240fps
		Half-D1	240fps	
		D1	120fps	
	IP	Per camera specifications		
Storage	Capacity	Supports up to 3 Internal SATA HDD (4th Optional)		
	eSATA	1 eSATA connector		
Communication Ports	RS 485	1, Terminal block, Tx+, Tx-, Rx+, Rx-		
	RS 232	1, 9 Pin, Male		
Network (Ethernet (RJ-45))	2 Gigabit LAN - 10/100/1000 Base-T Ports			
Supported IP cameras (support IP PTZ, IP IO, & IP audio if IP cameras built-in)	AXIS, Panasonic, SONY, Arecont, Mobotix, BOSCH, IQinvision, JVC, TOSHIBA, VIVOTEK, ACTI, D-Link, PiXORD, PELCO, Apron, Liin and more			
Operator Interface	USB mouse, USB PC keyboard, Remote controller (supports optional IR extension cable)			
Browser/Remote Client	MS Internet Explorer 6+, Windows 2000, XP, VISTA			
Mechanical				
Dimensions (H x W x D)	2.6 x 16.9 x 14.5in			
Weight	10 lbs (not including HDD)			
Rack Mountable	Optional rack ears			

Software		
Interface	Graphical User Interface (world's first in Emb. Linux)	
Account Administration	Up to 32 accounts with configurable user privileges	
Camera Administration	Individually adjust fps/resolution per analog camera	
PTZ Control	Zoom-in/Zoom-out, Focus-in/Focus-out, Direction, Speed, Preset point, Autopan	
De-interface options	Optimize for dynamic or static analog scenes	
Playback Administration	Playback while recording or setup	
	Play, rewind, fast-forward, frame-by-frame control	
	Digitally zoom to specific regions in recorded video	
	Export single frame to .jpg, export video clip to .DVR/ .AVI/.MPEG	
Motion Detection	Configurable to sense mass/motion; can partition off areas in monitoring regions from motion triggers	
Event Recording	Scheduled, Continuous, Smart, Motion, Alarm, Manual	
Video Event Search	Visual Search, date/time, camera, event & log files	
Advanced Event Log	Full event, operation, system & network activities log	
Alarm Notifications	Launch or send E-map, relay, video capture, CM3000 or E-mail notification	
E-map Display	Positions of cameras, sensors, relays & event status	
iEnhance	Enhance video quality such as Brightness/Contrast/ Hue/ Saturation/ Sharpness/ Noise Reduction/De-interface/ Gray Scale of recorded video	
iStable	One-click fix for shaky video caused by camera movement (such as wind or vandalism)	
Remote Management		
Central Management	CM3000 software - supports up to 1000 DVRs	
Remote DVR connectivity	WebViewer (MS Internet Explorer only), Remote Console, JavaViewer, PDAViewer, iViewer(iPhone/iPad/iPod Touch/ Android)	
Dispatch Server	Balance NVR communication for added client access and greater data transfer speeds	
DDNS	Free DDNS service allows access via host/domain name instead of IP address	
Environmental		
Temperature	Operating	32 ° to 104 °F
	Storage	-22°F to 140 °F
Relative humidity	Operating	50%-80%
	Stored	90%
Regulatory		
Emissions	FCC: Part 15, Class A	
Warranty		
2 Year Limited Parts and Labor		



NOTE: We highly recommend against using Samsung Hard Disk Drives for SA, XR and EXR DVR products.

SATA HDD (the below are recommended, but most SATA HDDs should work with a 3TB max)

Brand	Model	Capacity
Hitachi	HDT725050VLA360	500GB
	HDP725050GLA360	500GB
	HDT721010SLA360	1TB
	HUA722020ALA330	2TB
Seagate SV35.35	ST3500410SV	500GB
Seagate SV35.3	ST31000340SV	1TB
	ST31000525SV	1TB
Seagate SV35.2	ST3500630SV	500GB
	ST3750640SV	750GB
Seagate	ST32000542AS	2TB
	ST32000641AS	2TB
WD	WD3200AVVS-63L2B0	320GB
	WD7500AACS-00ZJB0	750GB
	WD10EADS-22L5B1	1TB
	WD20EARS-00S8B1	2TB
	WD2001FASS-00U0B	2TB
	WD30EZR	3TB

PTZ Camera (visit our website support/download page for a complete list)

Brand	Product Number
AmericanDynamics	UltraS - all products
Canon	VC-C4R
CD55	All products
DiGiDome	DRX -502A (DOH-240)
DMP23-H2	DMP23-H2
DynaColor	All products
Eastel	All products
ELMO	PTC -200C
Fastrax II	HID-2404
JVC	TK-C676 / TK-C675
Lilin	PIH 717X / 7000 / 7600 / PIH 7622/ 7622DH / 7635DH
MD101	All products
MicroJack-P	All products
NiceCam	All products
Panasonic	WV-CS850 / WV-CW860 / WV-CS950 / CS850B / CW860A / WV-CZ352
Pelco	Pelco-D/ Pelco-P
Philips	TC8560, TC700
Samsung	SCC-641
Sony	15-CZ45-1 /EVI-D70P
Yoko	All products

*Hardware recommendations are the minimum required hardware specifications for running our systems and not a guarantee to achieve the best performance of our DVR systems. Hardware specifications required to achieve the best performance of our DVR systems are subjected to different system settings and operation conditions.

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