Security Product Hardware Recommendation List

Requirements:

- CPU: Pentium 4 3.2 GHz or higher; Dual core CPU is highly recommended
- PCI-Express x1
- OS: Windows XP/Vista Professional
- RAM: 1024MB or higher
- HDD : 120GB or higher
- CD-RM/DVD-RM
- 32-bit high color SVGA graphics card with 64MB video memory and DirectDraw/YUV Rendering Capability
- 10/100 Base-T Ethernet card
- Sound card and speaker

NV6000 Express Series

Special CPU recommendation
If you would like to use recording resolution of 640 x 480 and 30 fps (Turbo mode), Core 2 Duo E6600 CPU is a basic requirement.

Motherboard
Our products support most of the current Intel chipset for motherboards.

Intel: 915/945/955/965/975/P31/P35/ P45/X38 chipset
NVIDIA: nForce4 Ultra MCP, nForce 570 SLI, NVIDIA nForce4 SLI Intel chipset

Note: For better performance and system stability we highly recommend using a CSA/ PCI-E Giga Ethernet infrastructure motherboards. For further information please refer to Intel's Website. Below is a list of Motherboards that our Validation labs have tested; however, we do support beyond the motherboards tested in our lab.

Intel Socket					
Brand	Asus	Gigabyte	Epox	FOXCONN	MSI
915		GA-8I915G-MF GA-8I915G-Duo	EP-5EPA+		
945	P5LD2 P5LD2-VM P5PL2-E	GA-8I945P-G GA-945PL-S3 (Rev 2.0) GA-8I945PL-G			
955		GA-8I955X Royal			
965	P5B P5B Deluxe/WiFi-AP	GA-965P-DS3 GA-965P-S3 GA-965P-DS3P (Rev 3.3)			
975		GA-G1975X-C			
P31		GA-P31-DS3L(Rev 1.0)			
P35	P5K SE P5KR P5KC	GA-P35-DS3 (Rev 1.0) GA-P35-DS3 (Rev 2.0) GA-P35-DS3P (Rev 2.0) GA-P35-DS3R (Rev 2.0)		P35A-S	P35 NEO2-FR
P45		GA-EP45-DS3L			
X38	P5E				
NVIDIA nForce4 SLI Intel	P5ND2-SLI Deluxe-TAY				

Intel Socket

The Intel socket allows users to install two NV6000Exp cards on the motherboard that can support 32 channels of video input.

Brand	Gigabyte
915	GA-8I915G Duo
945	GA-945PL-S3 (Rev 2.0) GA-8I945PL-G
965	GA-965P-DS3P (Rev 3.3)
P31	GA-P31-DS3L(Rev 1.0)
P35	GA-P35-DS3 (Rev 1.0)
P45	GA-EP45-DS3L

AMD Socket

Brand	Shuttle XPC SN25P	Gigabyte	ASUS
NVIDIA nForce4 Ultra MCP	FN25		
NVIDIA nForce 570 SLI		GA-M57SLI-S4	
NVIDIA nForce 570 Ultra MCP			M2N-E

AMD Socket

The AMD socket allows user to install two NV6000 E cards on the motherboard that can support 32 channels of video input.

Brand	Gigabyte
nVidia nForce 570 SLI	GA-M57SLI-S4

Graphic Card

Our products support most of the current Graphic Chipset on the market today. Below is a list of Graphics Cards that our Validation Labs have tested; however, we do support beyond the hardware listed below

Support ATi: Radeon X300 /X600 /X700/X1300/HD 2400XT/HD 2400PRO/HD 2600PRO
Support NVIDIA: GeForce PCX 5750/GeForce 6200/GeForce 6600/GeForce 6800/GeForce 7200/GeForce 8400GS
GeForce 8500GT/GeForce 8600GT/GeForce 9500GT

Below is a list of Graphic Cards tested:

ATI Chipset

Brand	Asus	Gigabyte
X300	ATI Radon x300se	
X600	ATI Radeon X600 Pro	
X700	ATI Radeon X700	
X1300	ATI Radeon x1300 Pro	
Radeon HD 2400 XT		GV-RX24T256HP/256MB/DDRIII
RADEON HD 2400 PRO	EAH2400PRO HTP/256MB/DDR2	
Radeon HD 2600 Pro	GV-RX26P512H/512MB/DDRII	

NVIDIA Chipset (Performance: Basic)

Brand	ASUS	Gigabyte	MSI
GeForce PCX 5750			PCX5750-TD128E
GeForce 6200 TC		GV-NX62TC256D8	
GeForce 6600		NX66128DP	
GeForce 6800		GV-NX68256D	
GeForce 7200GS	EN7200GS HTD/256MB/DDRII		

NVIDIA Chipset (Performance: Advance)

Brand	ASUS	Gigabyte	ELSA	LEADTEK
GeForce 8400GS	EN8400GS HTP/256MB/DDRII			PX8400GS TDH/256MB/DDRII
GeForce 8500 GT		GV-NX85T256H/256MB/DDR2 GV-NX85T256HP/256MB/DDRIII	ELSA GLADIAC 850GT 256B2 2DT RH	
GeForce 8600 GT	EN8600GT/2DHT/256M			
GeForce 9500 GT		GV-N95TOC-512H		

PTZ Camera (Please download the complete list from the website at the support, then downloads page)

Brand	Product No.
DynaColor	all products
Pelco	Pelco-D Pelco-P
Lilin	PIH 717X / 7000 / 7600
Sony	15-CZ45-1
DMP23-H2	DMP23-H2
MD101	all products
CD55	all products
NiceCam	all products
Yoko	all products
DiGiDome	DRX -502A (DOH-240)
SamSung	SCC-641
Canon	VC-C4R
Panasonic	WV-CS850 / WV-CW860
Eastel	all products
MicroJack-P	all products
JVC	TK-C676
Philps	TC8560, TC700
ELMO	PTC -200C
AmericanDynamics_UltraS	all products

USB to Serial Hubs (could be compatible with POS Series, PTZ Camera, and UPS Series)

Brand	Product Number
MOXA	Uport 1410

Raid System

Brand	Product Number
Stardom	SR3610-2S-SB2

PDA Basic requirement

Notice: This feature is only available on version 5.1 or above AP. For customers who are using 5.0 version of AP, please visit the Support/Download page to download and upgrade to the latest version of AP

1. CPU: Arm architecture, for example, Intel Xscale
2. OS: Microsoft Window Pocket PC 2002/2003 or Mobile 5 above
3. GPRS or WLAN module is recommended

Windows Mobile Smartphone Basic Requirement

Notice: This feature is only available on version 5.7 or above AP. For customers who are using v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP

1. CPU: Arm architecture, for example, Intel Xscale
2. OS: Windows-base, Windows Mobile 2002/2003 for Smart Phone Edition or Windows Mobile version
3. Network module such as WAP, GPRS, WLAN, etc is required

Symbian Smartphone Basic Requirement

Notice: This feature is only available on version 7.1 or above AP. For customers who are using v5.7, v.5.5, v5.1 or v5.0 version of AP please visit the Support/Download page to download and upgrade to the latest version of AP

1. OS:Symbian Smartphone
2. The OS need to support JAVA MIDP 2.0(JAVA2 ME)
3. Network module such as WAP, GPRS, WLAN, etc is required

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