

Security Product Hardware Recommendation List

- CPU: Pentium4 2.8 GHz or higher
- OS: Windows XP(32-bit)/Windows Vista(32-bit)/Windows 7(32-bit, 64-bit)
- RAM: 512MB or higher
- HDD: 120GB or higher
- Graphic Card: 32-bit high color SVGA graphics card with 128MB video memory and DirectDraw/ YUV Rendering Capability
- CD-RM/ DVD-RM
- Ethernet: 10/100 Base-T Ethernet card
- Sound card and speaker

Note: Based on [Intel suggestion](#), for NONE Microsoft® Windows® XP Operation Systems, Hyper-Threading must be disabled in the system BIOS Setup program ([see FAQ for procedure](#)) for our DVR products.

For the most stable security DVR, we strongly recommend NOT using VIA/SiS/ALI chipsets and SiS VGA chips with our products due to their severe limitation of the chipset design.

Note: Please make sure you are using the standalone VGA card with 128 MB memory above instead of built-in onboard VGA card in order to ensure the working stability and performance of the NV/NX series software.

Note: We highly not recommend apply Samsung Hard disk drive to SA/XR/EXR DVR product for recording or backup video files usage.

- Special CPU recommend

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

- Motherboard

Our products support most of the Intel Chipset Socket 775 motherboards. Intel 915 , 945 , 965 , 975 , P31 , P35 chipset and NVIDIA nForce4 Ultra MCP, NVIDIA nForce 570 SLI , NVIDIA nForce4 SLI Intel chipset

Note: For better performance and system stability we strongly suggest user to follow our tested brand and chipset and please refer to the validated model type as below.

NV3000/NV5000/NV7000/NV9000 Series

- Motherboard for NV3000 series:

NV3000Series	
Brand	Model
GIGABYTE	GA-P35-DS3 (Rev 1.0)

- Motherboard for NV5000 series:

NV5000Series	
Brand	Model
ASUS	P5ND2-SLI Deluxe-TAY
ASUS	M2N-E*
ASUS	P5K R
ASUS	P5K SE
ASUS	P5LD2-VM
ASUS	P5PL2-E

- Motherboard for NV7000 series:

NV7000Series	
Brand	Model
ASUS	P5K R

NV7000H	
Brand	Model
ASUS	P5K R
ASUS	P5K SE
ASUS	P5LD2-VM
ASUS	P5PL2-E
ASUS	P6T Deluxe

- Motherboard for NV9000 series:

NV9000 Express	
Brand	Model
ASUS	P5K R
ASUS	P5K-VM
ASUS	P7P55D

NV9000H	
Brand	Model
ASUS	P7P55D

NV3000/NV5000/NV7000/NV9000 Series

- Graphic Card

Below is a list of Graphics Cards that our Validation Labs have tested.

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

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 2400PRO	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: Advanced)				
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

Brand	Product No.
DynaColor	all products
Pelco	Pelco-D Pelco-P
Lilin	PIH 717X / 7000 / 7600 / PIH 7622/ 7622DH / 7635DH
Sony	15-CZ45-1/ EVI-D70P
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 / WV-CS950 / CS850B / CW860A / WV-CZ352
Eastel	all products
MicroJack-P	all products
JVC	TK-C676 / TK-C675
Philps	TC8560 / TC700
ELMO	PTC -200C
AmericanDynamics_UltraS	all products
Fastrax II	HID-2404

- USB to Serial Hubs

Could be compatible with POS Series, PTZ Camera, UPS Series

Brand	Product No.
MOXA	Uport 1410

- Raid System

Brand	Product No.
Stardom	SR3610-2S-SB2
AVerDiGi	RA4000e

PDA Basic requirement

Notice: This feature is only available on version 5.1 or above AP. For customer who is using 5.0 version of AP please go to Technical Support Driver Download 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 customer who is using v.5.5, v5.1 or v5.0 versions of AP please go to Technical Support Driver Download 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 above.
3. Network module such as WAP,GPRS,WLAN....etc is required

Symbian Smartphone Basic Requirement

Notice: This feature is only available on version 5.7 or above AP. For customer who is using v.5.5, v5.1 or v5.0 versions of AP please go to Technical Support Driver Download 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.
- 4.

*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.