

# RECOMMENDATIONS

## NV5000 Hardware Recommendation List

### Motherboard

Our products support most of the current Intel chipsets for motherboards. Intel 848, 865, 875, 915, 925, 945, 955, 965, P35, NVIDIA nFORCE4 SLI - Intel Edition, NVIDIA nForce3 250Gb Platform Processor chipsets

Below is a list of Motherboards that our validation labs have tested; however we do support other motherboards beyond the ones listed below

#### Intel Socket

Brand	Asus	Gigabyte	Epox	Intel	FOXCONN	MSI
848	P4P800 SE					
865	P4P800	GA-8IPE1000				
	P4P800-VM	GA-8IG1000Pro-G				
	P4P8X	GA-8IPE1000-G (Rev 3.1)				
	P5P800					
875	P4C800	GA-8IK1100				875P Neo FISR
		GA-8I875				
915	P5GD1 Pro	GA-8I915G-Duo	EP-5EPA+			915G Combo
925	P5AD2 Premium			D925XCV		915G Combo
945	P5LD2	GA-8I945P-G				
	P5LD2-VM	GA-8I 945G -MF				
	P5PL2-E	GA-945PL-S3 (Rev 2.0)				
		GA-8I945PL-G				
955		GA-8I955X Pro				
		GA-8I955X Royal				
965	P5B Deluxe/ WiFi-AP	GA-965P-DS3P (Rev 3.3)				
		GA-965P-DS3 2.0				
975		GA-G1975X-C				
P31		GA-P31-DS3L				
P35	P5K SE	GA-P35-DS3 (Rev 1.0)			P35A-S	
	P5KR	GA-P35-DS3 (Rev 2.0)				
	P5KC	GA-P35-DS3R (Rev 2.0)				
P45		GA-EP45-DS3L				
X38	P5E					
X58	P6T Deluxe	GA-EX58-UD5 (Rev 1.0)				
NVIDIA nForce4 SLI Intel	P5ND2-SLI Deluxe					

#### AMD Socket

Brand	Gigabyte	ASUS
NVIDIA nForce4 250Gb Platform Processor	GA-K8NSC-939	
nVidia nForce 570 SLI	GA-M57SLI-S4	
NVIDIA nForceR 570 Ultra MCP		M2N-E

### System Requirements:

- **CPU:** Pentium 4 3.0 GHz or higher
- **OS:** Windows 7/XP/Vista/2000 - 32 bit
- **RAM:** 512MB or higher
- **HDD:** 120GB or higher
- **CD-RM/DVD-RM**
- **Graphic Card:** 32-bit high color SVGA graphics card with 128MB video memory and DirectDraw/YUV Rendering Capability
- **10/100 Base-T Ethernet card**
- **Sound card and speaker**

#### Note:

Based on Intel's suggestion, for all of Microsoft Windows XP Operating Systems, Hyper-Threading must be disabled in the system BIOS Setup program for our DVR products.

For the most stable surveillance DVR system, 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.

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.

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

# RECOMMENDATIONS

## NV5000 Hardware Recommendation List (cont.)

### 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. Graphic Cards tested:

#### ATI Chipset

Brand	ATI	Asus	Gigabyte
8500	ATI 8500	A7000	
9700	ATI 9700 Pro		
9800			GV-R98P128D GV-R98X256D
X300		EAX300SE EAX300SE / TD	
X550		EAX550GE	
X700		EAX700 EAX700 / TD / 256M / A	
X800		EAX800 Pro/2DTV	GV-RX70128DE
X1300Pro		EAX1300PRO SILENT TD/256MB/DDR2	
Radeon HD 2400 XT			GV-RX24T256HP/256MB/DDRIII
Radeon HD 2400PRO		EAX2400PRO HTP/256MB/DDR2	
Radeon HD 2600 Pro		GV-RX26P512H/512MB/DDRII	

#### Support ATI:

Radeon 8500 / 9000 / 9200 / 9550 / 9600 / 9700 / 9800 / X300 / X550 / X700 / X800 / X1300PRO / HD2400XT / HD 2400PRO / HD2600PRO

#### Support NVIDIA:

GeForce4 FX / GeForce MX / GeForce FX 5200 / GeForce FX 5600 / GeForce FX 5900 / GeForce 6200 / GeForce 6600 / GeForce 6800 / GeForce 7200 / GeForce 8400GS / GeForce 8500GT

\*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.

#### Nvidia Chipset (Performance:Basic)

Brand	ASUS	ELSA	Gigabyte	LEADTEK	MSI
GeForce4 FX	ASUS V9480	ELSA 525 ELSA 728	GV-N4464TE	WinFast A170 WinFast A280	
GeForce FX5200			GV-N52128DS		
GeForceFX 5600	ASUS V9560	ELSA 732		WinFAST A310	
GeForceFX 5900		ELSA 935			
GeForce 6200 TC			GV-NX62TC128D GV-NX62TC256D8		
GeForce 6600			GV-NX66128D GV-NX66128DP		NX6600-TD128E
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		

# RECOMMENDATIONS

## NV5000 Hardware Recommendation List (cont.)

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

Brand	Product Number
AmericanDynamics	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	WW-CS850 / WW-CW860 / WW-CS950 / CS850B / CW860A / WW-CZ352
Pelco	Pelco-D/ Pelco-P
Philips	TC8560, TC700
SamSung	SCC-641
Sony	15-CZ45-1 /EVI-D70P
Yoko	all products

### USB to Serial Hubs (Could be compatible w/ POS Series, PTZ Camera, UPS Series)

Brand	Model	Capacity
MOXA	Uport 1410	

### Raid System

Brand	Product Number
Stardom	SR3610-2S-SB2
AVerDigi	RA4000e

### 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: MS Window Pocket PC 2002/2003 or Mobile 5 and 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 needs to support JAVA MIDP 2.0(JAVA2 ME)
3. Network module such as WAP, GPRS, WLAN, etc is required.

\*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.