

# RECOMMENDATIONS

## NV6240E8 Hardware Recommendation List

### Motherboard

Our products support most of the current Intel chipsets for motherboards. Intel 915, 945, 965, 975, P31, P35 chipset and NVIDIA nForce4 Ultra MCP, nVidia nForce 570 SLI and NVIDIA nForce4 SLI Intel chipset

**Note:** For better system performance and stability we highly recommend using 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 other motherboards beyond the ones listed below

#### 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-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				
X58	P6T Deluxe	GA-EX58-UD5 (Rev 1.0)			
NVIDIA nForce4 SLI Intel	P5ND2-SLI Deluxe-TAY				

#### AMD Socket

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

\* This AMD socket allow users to install two NV6000E cards on the motherboard and together the cards can support 32 channels.

### Special CPU recommendation:

To use 640 x 480 recording resolution and 30 fps, Core 2 Duo E6600 CPU is required.

### System Requirements:

- **CPU:** Pentium 4 2.8 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

## NV6240E8 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	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/DDRIII		

#### 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		

#### 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

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# RECOMMENDATIONS

## NV6240E8 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.

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