

NV3000

Affordable hybrid entry-level capture card solution; best for convenience stores and small businesses



Overview

- Affordable hybrid entry-level capture card solution; best for convenience stores and small businesses
- 4 channels Video and 1 channel optional Audio input with 30 fps recording rate
- Brand new user interface tailored for wide screen monitors (1680x1050 and 1440x900)
- POS Integration allows for easy association of retail transaction data and corresponding video images
- Integrated remote functionality allows access to video footage anywhere, anytime!

NV3000 Specifications

CPU	Pentium 4® 3.0 GHz or higher
Operating System	Windows 2000®, Windows XP® or Windows VISTA®
Hybrid	Yes - use any combination of IP or Analog inputs
IP Camera Support	Over 100 major IP camera brands supported
Video Format	NTSC or PAL
Software Compression	MJPEG, MPEG4 and H.264
Video Output	CCTV, TV or LCD monitors
Video Input	4 channels - BNC connectors (stackable for up to 16 channels)
Audio Input	Up to 1 channel with optional expandable cards
Display Rate	30 fps
Recording Frame Rate	30 fps
Recording Resolution	up to 720x480
User Access	Unlimited # of users with individual passwords & tiered user privileges
Sensor/Relay	4 sensors/3 relays; Expandable to 132 sensors /131 relays via an E-I/O box

User Interface:

Type	Graphical User Interface
Modes	Compact and Advanced modes
Display Formats	Auto scan with 1, 4, 8, 9, 13 or 16 split screen for monitoring and playback
E-Map Specifications	Store up to 8 maps with 8 angles for camera (including name), sensor and relay positions
Night View Ability	Yes
Digital Zoom	Yes
Pan-Tilt-Zoom Control	Control for both IP and Analog cameras
Multiple Languages	Yes
Video Quality Settings	Yes
Over Heat Detection	No

External Device:

Dual Monitor Support	Yes
Spot Monitor Support	Yes
POS Integration	Yes

Recording Features:

Recording Modes	Continuous, Scheduled, Motion Detection, Sensor trigger, Alarm trigger and Smart recording
HDD Size Estimation Tool	Yes - Will estimate HDD size and expected recording time based on HDD size and recording settings
Video Encryption	Yes
Video Shield	Yes

Recording Features (continued):	
Video Mask	Yes
Recycle Recording	Yes
Video Loss Detection	Yes
Event Log	Yes
Auto Record after Reboot	Yes
Playback Features:	
Video Search	Yes
Watermark Verification	Yes
Playback Software on PC	Yes
Playback Availability	Playback while recording or setup. With Dual Monitors - watch playback and live video simultaneously
Playback Control	Play, rewind or fast-forward footage including frame-by-frame control with real time access
Video Optimization	Digitally zoom in to specific areas on the video footage
Export Functions	Export single frames to BMP files or export video clips to AVI files with time and date stamp
Search Features:	
Visual Search	Yes
Search Criteria's	Search by date, time, camera, event and event logs
Bookmark Function	Yes - Bookmark important footage for fast access
Watermark Verification	Yes
Export Functions	Export single frames to BMP files or export video clips to AVI files
Back-up:	
Back-up features	Manual or schedule backup
Backup Functions	Direct burn to CD/DVD-RW, auto backup when an external backup device is inserted
Alarms/Sensors/Relays:	
Alarm Trigger Notifications	E-map - E-map is launched with active camera highlighted and monitoring footage displayed
	FTP - Still images of footage are automatically saved to specified FTP sites
	Phone - Installed Voice-Fax modem calls specified phone number and plays pre-recorded message
	Relay - System will turn on lights, lock gates, sound an external alarm, etc.
	Record - System will start capturing video footage from different angles on multiple cameras
	Spot Monitor - Will automatically display E-map and event footage on spot monitor

Alarms/Sensors/Relays (continued) :	
Alarm Trigger Notifications	Text Message - If DVR is SMS modem enabled, then a text will be sent to specified phone number
	CMS3000 - Event information will be automatically generated in the CMS3000 for follow-up
Video Intelligence	Yes
I/O Box Support	Built in 4 sensors and 3 relays; Expandable up to 132 sensors and 131 relays via an E-I/O box
Remote Accessibility:	
Remote Accessibility	WebViewer - 1, 4, 8, 9, 13 or 16 split screen views with PTZ control for hybrid cameras
	PDAViewer - View video footage on a PDA in 1 or 4 split screens
	HandyViewer/SmartViewer - View video footage on compatible cell phones
	CMS3000 - Control and manipulate up to 1000 DVRs remotely; Includes hybrid PTZ and E-Maps
	Remote Console - Remotely monitor, record or playback video footage
Audio	2-way audio communication through WebViewer, Remote Console or CMS3000
Pan-Tilt-Zoom	Yes - Both IP or Analog cameras through WebViewer or CMS3000
Backup	Yes
Dynamic DNS	Yes
Connection Types	Dial-up, Internet or LAN speeds
Video Quality:	
De-Interlacing	Yes for Static or Dynamic footage
Noise Reduction	Yes
Image Balance	Yes - Auto Gain Control (AGC) balance image quality
iEnhance Software	Yes - optimizes recorded video footage
iStable Software	Yes - smoothes video footage
Scheduling Abilities:	
Schedulable Functions	Record, network enable, backup, reboot, alarm and relay controls
Allocations	Functions can be scheduled in 15 minute, 30 minute, 45 minute or 1 hour increments
	Set for a one-time event or on a weekly repeating schedule
Other:	
Desktop Lock	Yes - will prevent any other operation, not related to surveillance, from running
Attention Please	Yes

Other (continued):	
Virtual Keyboard	Yes
UPS support	Yes
Upgrades	Yes - Effortlessly perform upgrades to the unit via internet or a Pen drive

Security Product Hardware Recommendation List

Requirements:

- CPU: Pentium 4, 3.0 GHz or higher
- OS: Windows 2000/XP/Vista Professional
- RAM: 512MB
- HDD : 80GB 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

Recommendation List:

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 ([see FAQ for procedure](#)) for our DVR products.

For the most stable security 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.

NV3000/5000

Motherboard

Our products support most of the current Intel chipset 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 beyond the motherboards tested in our lab

Brand	848	865	875	915	925
Asus	P4P800 SE	P4P800	P4C800	P5GD1 Pro	P5AD2 Premium
		P4P800-VM			
		P4P8X			
		P5P800			
Gigabyte		GA-8IPE1000	GA-8IK1100	GA-8I 915G -Duo	GA-945PL-S3 (Rev 2.0)
		GA-8IG1000Pro-G	GA-8I875		
MSI			875P Neo FISR	915G Combo	
Epox				EP-5EPA+	
Intel					D925XCV

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ATI Chipset	X700	X800
ATI		
Asus	EAX700	EAX800 Pro/2DTV
	EAX700 / TD / 256M / A	
Gigabyte		GV-RX70128DE
nVidia Chipset	GeForce 6600	GeForce 6800
ASUS		
ELSA		
Gigabyte	GV-NX66128D	GV-NX68256D
	GV-NX66128DP	
LEADTEK		
MSI	NX6600-TD128E	

PTZ Camera [Please click here for the full IP camera support list](#)

Brand	Product Number
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

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 v5.5, 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, v5.5, 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.