

AVerMedia® NV5000

HYBRID and Real Time Digital Surveillance System



Major Features

| | |
|---|--|
| <ul style="list-style-type: none"> Hybrid Network Video Recorder (Accepts both CCTV/Analog as well as IP Cameras) | <ul style="list-style-type: none"> Remote backup of video surveillance data |
| <ul style="list-style-type: none"> Easy setup and usage | <ul style="list-style-type: none"> Keyboard lockup to enhance security |
| <ul style="list-style-type: none"> Point of sale integration (ANSI ASCII | <ul style="list-style-type: none"> Watermark image verification technology |
| <ul style="list-style-type: none"> Serial output based cash registers) | <ul style="list-style-type: none"> Supports over 12 different languages |
| <ul style="list-style-type: none"> Attention metric designed to measure the attention span of security officers | <ul style="list-style-type: none"> Virtual keyboard |
| <ul style="list-style-type: none"> Intelligent Status Notification (Alert you on HDD space, CPU load, Memory usage, etc) | <ul style="list-style-type: none"> Record to multiple hard drives |
| <ul style="list-style-type: none"> Compact mode for cleaner interface | <ul style="list-style-type: none"> Watch dog function built in |
| <ul style="list-style-type: none"> Smart Voice detection recording | <ul style="list-style-type: none"> Video enhancer software designed to |
| <ul style="list-style-type: none"> Multiple events alarm alert | <ul style="list-style-type: none"> Visually enhance surveillance video data |
| <ul style="list-style-type: none"> Bookmark playback for easier retrieval | <ul style="list-style-type: none"> Central monitoring system enables users to access and monitor up to 128 channels simultaneously for a wide range of applications |
| <ul style="list-style-type: none"> Dispatch Server shares internet access loading | <ul style="list-style-type: none"> DDNS function supports dynamic IP |

Performance

| Product | NV5000 | |
|--------------------------------------|---|--|
| Video Cards | 1 Main card + 3 optional Video extension cards | 2 main cards + 2 optional Video extension cards |
| Video Input | 4, 8, 16 Channels | 8, 16 Channels |
| Display Rate (NTSC / PAL) | 120 / 100 fps | 240 / 200 fps |
| MPEG4 Recording Rate (NTSC / PAL) | 120 / 100 fps | 240 / 200 fps |

* Specifications are subject to change without prior notice

NV5000 System Hardware Installation Combinations

| Different Hardware Combinations | | | Number of Video Channels | Number of Audio Channels | Sensor Inputs | Relay Outputs |
|---------------------------------|------------------------------|------------------------|--------------------------|--------------------------|---------------|---------------|
| Video Capture Card Numbers | Video Extension Card Numbers | Audio / IO Card Number | | | | |
| 1 | 0 | 0 | 4 | 0 | 0 | 0 |
| | | 1 | 4 | 4 | 4 | 3 |
| | 1 | 0 | 8 | 0 | 0 | 0 |
| | | 1 | 8 | 4 | 4 | 3 |
| | 2 | 0 | 12 | 0 | 0 | 0 |
| | | 1 | 12 | 4 | 4 | 3 |
| | 3 | 0 | 16 | 0 | 0 | 0 |
| 1 | | 16 | 4 | 4 | 3 | |
| 2 | 0 | 0 | 8 | 0 | 0 | 0 |
| | | 1 | 8 | 4 | 4 | 3 |
| | 2 | 0 | 16 | 0 | 0 | 0 |
| | | 1 | 16 | 4 | 4 | 3 |

NV Software version 5.7 SP2 or above

Product Specification

Video Feature

- 4~ 16 composite video inputs (BNC connectors)
- 4~16 IP Camera Access (Selected IP Cameras)
- Video Format: NTSC and PAL
- Support 352x240, 640x480, or 720x480 (enhanced) pixels (NTSC & PAL) 16-bit true color
- RCA composite video out to a regular terminal or TV monitor
- Supports static as well as dynamic de-interlacing for smoother graphics
- Built in noise reduction algorithm

Display

- Adjustable frame rate and resolution on each camera
- Auto Scan with full screen display under 1, 4, 8, 9, 16-camera display modes
- Pan/Tilt/Zoom (PTZ) cameras: PTZ script is available for adding new protocols
- Auto Gain Control (AGC) balances image quality
- Software based night view function enhances low light condition


Recording

- Video compression: MPEG4 / H.264 / M-JPEG
- Support 352x240, 640x240, and 720x480
- Fully de-interlace in 640x480 and 720x480 mode
- Recording modes: Alarm triggered/sensor triggered/motion detection/continuous/smart/scheduled/voice detection
- Programmable multiple masking zones
- Intelligent shield protects privacy
- Capable of recording audio channel(s) with full

synchronization

- Max 4 audio channels recording
- Auto recycling when storage nearing full
- Intelligent pre-motion and post motion recording
- Supports Video Encryption for secured remote viewing

Search & Playback & Backup

- Real time playback without having to disable recording/network functions
- Power search: by date, time, camera, area, event, vision, POS text or log file
- Full screen playback
- Complete playback control: forward, backward, speed up, slow down
- Digital zoom into any designated area 
- Export a single frame into a file or print out
- Set a segment and have it output as avi video clip
- Visual search by day, hour, minute, second
- Bookmark search: By time, description. Protect recorded file from being recycled and show file status
- Backup directly to DVD-RW/CD-RW (Requires Nero Ultra 6.0+)

Remote Access

- Simultaneous multiple remote live/recorded surveillance via Internet Explorer 6
- Backup remotely
- Central management server controls multiple DVRs
- Remote monitoring / remote recording / playback remote recording / playback server recording
- Full control of PTZ cameras remotely
- PDA handy view (Windows CE/Pocket PC 2002)

or above) and Windows Smart Phones

- Two-way audio communication
- 1,4,9 and 16 screen divisions
- Remote E-map
- Choose from dial-up, Internet or Lan speed
- Dispatch server allows you to broadcast video stream to the public

Schedule

- Record, enable network, backup, reboot, relay activation and disabling alarms
- One time or weekly schedule
- Scheduling can be done down to every quarter of an hour

E-map

- Shows you the positions of cameras, sensors and relays
- Stores up to 8 different maps

Alarm Notifications

- E-mail notifications
- FTP notifications
- Voice modem call out notification
- Turn relay on (light switch, alarm, etc)
- Plays warning sound (can be re-recorded)
- Start recording on multiple cameras (capture video from different angle)
- Send TV-out signals
- Launch E-Map

- Enlarge camera view
- Send SMS/MMS
- Sends Event to Central Monitoring System
- Alert messages helps security follow proper standard operational procedures
- Hard Disk Failed
- Launch external programs
- POS keyword trigger
- Alarm Reset
- Trigger based on missing or suspicious object detected
- Trigger based on scene changes

User Access

- Setup up to 32 users with their own individual passwords for remote access
- Each user can be preconfigured to perform only certain actions (eg. access specific cameras remotely)

Audio & I/O card (Optional)

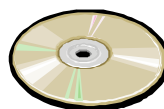
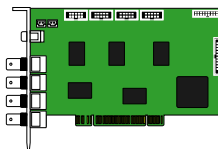
- 1 channel composite Audio inputs (RCA Jack)
- 4 sensor inputs and 3 relay outputs controls per set
- Multiple alarm trigger modes: video loss, motion detection, and sensor input

System Requirements

- CPU: Pentium® 4 3.0 GHz or higher
 - Motherboard with Intel 865, 875, 915, 945, 955, 965 Chipset (VIA/SiS/AlI Chipset motherboards not supported) (Recommended Intel, ASUS, Gigabyte motherboards)
 - OS: Windows 2000 / XP Professional (XP Pro recommended)
 - RAM: 512MB minimum
 - 32-bit PCI 2.1 compliant bus slot
 - HDD: 120GB or higher
 - CD-ROM/DVD-ROM
 - 32-bit high color SVGA graphics card with at least 128MB video memory and DirectDraw® / YUV Rendering Capability (AGP)
 - 10/100 Base-T Ethernet card
 - Sound card and speakers
- 1 Quick User Guide
 - 1 Installation CD (includes drivers, application program, manual)

What's Included?

- 1 NV5000 Card
- 1 Watchdog cable
- 1 Video signal cable



Optional Items?

- 4 Channel Video Extension Card
(up to 3 can be hooked up per system)
- 4 Channel Audio Extension Card
(up to 1 can be hooked up per system)
- I/O Box
(up to 4 can be hooked up per system)
- AVerDiGi OSD-KIT

NV5000 Card

| Product Information | Details |
|---------------------|------------------|
| Product Name | AVerMedia NV5000 |
| Box Dimension | 8.5' x 12' x 3' |
| Box Weight | 1.30Lb |



NV5000 4-CH Video Extension Card (Optional)

| Product Information | Details |
|---------------------|-----------------------|
| Product Name | AVerMedia 4-Video Ext |
| Box Dimension | 4.5' x 6 x 1.5' |
| Box Weight | 0.35lb |



NV5000 4-CH Audio Extension Card (Optional)

| Product Information | Details |
|---------------------|-----------------------|
| Product Name | AVerMedia 4-Audio Ext |
| Box Dimension | 4.5' x 6 x 1.5' |
| Box Weight | 0.35lb |



AVerDiGi OSD-KIT (Optional)

| Product Information | Details |
|---------------------|---------------------|
| Product Name | AVerDiGi OSD-KIT |
| Box Dimension | 11.8' x 8.3' x 2.9' |
| Box Weight | 0.85Lb |



AVerDiGi I/O Box (Optional)

| Product Information | Details |
|---------------------|--------------------|
| Product Name | AVerMedia I/O Box |
| Box Dimension | 4.8' x 2.8' x 6.1' |
| Box Weight | 0.71Lb |



AVerMedia®

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