

# HYBRID DVR Specs

## 4-8-12-16ch 120Fps & 240Fps Versions

### CCTV - IP - MegaPixel

The Hybrid NV5000 Series Surveillance Platform features a comprehensive, yet user-friendly Windows-based digital surveillance recording (DVR) solution. It provides remote recording & monitoring, digital video archiving, password protection, audio and video recording synchronization, and much more. Expandable from 4 to 16 cameras, the Hybrid NV5000 Series provides the tools needed for total security in virtually any environment. Now you also have the added advantage of incorporating the best in CCTV Analog cameras as well IP cameras into a meshed Hybrid environment!

#### Video Features

- ☒ 4 ~ 16 composite video inputs (BNC Connectors)
- ☒ 4 ~ 16 IP Camera Access (Selected IP Cameras)
  - \*You can only have up to 16 channels of both IP and BNC cameras per system*
- ☒ Video Format: NTSC
- ☒ Support 352x240 or 640x480, or 720x480 pixels (NTSC) 16-bit true color or 1920x1200 (Selected 2.3MPixel IP Cameras)
- ☒ 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
- ☒ Dual-Monitor (VGA) support

#### Display

- ☒ Adjustable frame rate and resolution on each camera
- ☒ Auto Scan with full screen display under 1, 4, 8, 9, 13, 16-camera display modes
- ☒ Pan/Tilt/Zoom (PTZ) cameras
- ☒ Auto Gain Control (AGC) balances image quality
- ☒ Software based night view function enhances low light condition

#### Recording

- ☒ Video compression: Advanced MPEG4 / H.264 / M-JPEG
- ☒ Supports 352x240, 640x240, 720x480, up to 1920x1200 with selected Megapixel IP Cameras
- ☒ Fully de-interlace in 640x480 and 720x480 modes (algorithms enhanced for static or dynamic scenes)
- ☒ Recording modes: Alarm trigger / Motion

- ☒ Detection / Continuous / Schedule / Voice detection recording
- ☒ Programmable multiple masking zones
- ☒ Intelligent shield protects privacy
- ☒ Max 4 audio channels recording
- ☒ Capable of recording audio channel(s) with full synchronization
- ☒ Auto recycling when storage nearing full
- ☒ Intelligent pre-motion and post motion recording
- ☒ Supports Video Encryption for secured remote viewing in H.264 or Advanced MPEG4

### Search & Playback & Backup

- ☒ Real time playback without having to disable recording/network functions
- ☒ Powerful search: by date, time, camera, area, event, vision, POS text or log file
- ☒ Full screen playback
- ☒ Complete playback control: playback, backward playback, fast forward/backward playback, forward/backward frame-by-frame playback
- ☒ 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 or mpeg video clip
- ☒ Visual search by day, hour, minute, second
- ☒ Bookmark search: By time, description. Protect recorded file from being recycled and show file status
- ☒ Supports direct backup to DVD-RW / CD-RW (Requires Nero Ultra 6.0+ on the NV PC)

### Remote Web 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
- ☒ Two-way audio communication
- ☒ PDA handy view (Windows CE 3.0 / Pocket PC 2003 or above) / Windows Smart Phones / Java viewer support for Symbian smart phone or others with JAVA 2.0 support
- ☒ 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

- ☒ DDNS function supports dynamic IP
- ☒ SDK support

## Schedule

- ☒ Record, Network enable, backup, reboot, and alarm
- ☒ One time or weekly repeat schedule
- ☒ Scheduling can be done down to every quarter of an hour

## E-map

- ☒ Showing the positions and status of camera, sensor, and relay
- ☒ Extend to 8 maps

## Alarm Notifications (on motion detected, video loss and/or sensor triggered, abnormal events,etc)

- ☒ 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 (Requires SMS Modem)
- ☒ Sends Event to Central Monitoring Server
- ☒ 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)

## SOFTWARE FEATURES:

Hybrid Network Video Recorder (Accepts both CCTV/Analog as well as Megapixel IP Cameras (selected brands))  
Dual-Quad Monitor Support  
Video Intelligence: Object counting  
Video Intelligence: Missing object detection  
Video Intelligence: Suspicious object detection  
Video Intelligence: Scene change detection (when someone shifts the camera)  
IP PTZ support (selected models) and USB joystick support  
Multiple camera angle can be set under E-MAP  
External I/O Box support with up to 96 sensors and relays  
New Network Function: A. Select video size and quality to have best quality on phone  
New Network Function: B. High-level security that only allows listed remote IP ranges access to the server  
New Network Function: C. Adjust transmitting frame rate and video quality  
New Network Function: D. Synchronize local time with Internet Time Server  
New Network Function: E. Limit the bandwidth available for each camera or limit the bandwidth for the system  
Mandatory recording (record button always on)  
Embedded player into each storage path for easier playback when the Hard drive is moved to another location  
Encryption feature is available on both MPEG4 and H.264  
Adjustable quality when output clips from playback  
2 scenarios for scheduled backup - mirror backup or incremental backup  
Advanced MPEG4 / MPEG4 H.264 / Motion JPG  
Supports Video Encryption for an even more secured remote access  
Supports Direct burn to DVD-RW/CD-RW  
Easy setup and usage  
POS: Point of sale integration (ANSI ASCII Serial output based cash registers)  
POS: Database and Viewer with quick link to instant playback  
Attention metric designed to measure the attention span of security officers  
Intelligent Status Notification (Alert you on HDD space, CPU load, Memory usage, etc)  
Compact mode for cleaner interface  
Recording Method: Continuous recording  
Recording Method: Motion detection recording  
Recording Method: Smart detection recording  
Recording Method: Voice detection recording  
Alarm: Multiple events alarm alert  
Alarm: Continuous trigger duration setting for sensors  
Alarm: Event and alarm log recycle and backup  
Password protect the playback of your video footage with encrypted MPEG4 compression  
Easy Search and Playback: Step by step on date, hour, minute  
Bookmark important old footage for easy playback and protect it from deletion during data recycling  
New dispatch server allows an additional PC to act as a webcam server enhancing overall system response and stability  
Remote Backup facility allows video data to be pulled off by a remote server  
Keyboard lockup to enhance security  
Watermark image verification technology  
Supports over 12 different languages  
Virtual keyboard  
Record to multiple hard drives  
Watch dog function built in  
Video enhancer software designed to visually enhance surveillance video data  
Remote View: Central monitoring system enables users to access and monitor multiple Hybrid DVRs simultaneously for a wide range of applications  
Remote View: Windows CE/Mobile Edition Handy view  
  
Remote View: Java viewer support for Symbian smart phone or others with JAVA 2.0 support  
Remote View: Internet Explorer