

H-NAVS Standard Series Digital Video Recorder

16 Camera Inputs, Up to 8.0 TB Storage with Advanced Search Capabilities



The H-NAVS Standard Series Digital Surveillance System includes a 4 & 16 camera Digital Video Recorder (DVR) with Remote Management System (RMS) for remote viewing, configuration, and other advanced features. H-NAVS is a multifaceted product that integrates key elements into a single security solution. H-NAVS technology enables the user to view live and recorded video without interrupting recording.

Convenient and Intuitive Interface

H-NAVS Graphic User Interface (screen display) has been developed from many years of customer input and suggestions. Local software and RMS software are virtually identical. Learn one GUI (Graphical User Interface) since the local control and remote control are virtually the same. The controls and functions are naturally understood without the need for detailed training and documentation.

Scalable and Stable File System

An advanced video storage file system allows for virtually unlimited volumes of video archives to be recorded and rapidly accessed. Storage is limited by the computer disk capacity available. Advanced MPEG-4 compression ensures that video is stored in the least volume possible, and allows recovery of all images from compression with minimum loss of quality.

Totally Simultaneous and Uninterrupted Operation

H-NAVS performs all functions (Monitoring Display, Video and Audio Digital Recording, Playback, Archiving, and Remote Access from multiple locations) independently and simultaneously with any one function unaffected by any other operations.

Product Features

- ◆ Live Viewing and Recording at 100, 200 & 400 fps/ system at 704 x 576 resolution on a 16 camera system
- ◆ Using Industry Standard MJPEG/MPEG4 Technology
- ◆ Multi-Camera Playback (Search) in DVR and Remote
- ◆ Audio Recording
- ◆ Encrypted/Watermarked Recordings with Digital Signature
- ◆ Digital Zoom and Playback
- ◆ Easy Access to PTZ Control per Channel
- ◆ Multi-Level Password Protection
- ◆ Application software runs as a Service in the Background
- ◆ Auto Launch of Video on Specified Alarm Events
- ◆ Adjustable Recording Rates for Time Lapse & Motion Detection Modes
- ◆ Variable Frame Rates for each Camera
- ◆ Automatic E-mail or Paging on Events
- ◆ Remote client software

Advanced Communications and Network Capability

Compatible with computer network (TCP/IP) connections, H-NAVS systems are fully accessible by password authorized users anywhere in the world. Advanced authorization and encryption features ensure that each user accesses only the video, that they are allowed to view.

POS Integration Without Extra Hardware

Optional POS software to integrate many popular POS/Cash Register systems. Additional POS models not currently covered can be easily added for a small software development fee.

DVR Main Software Runs as Service

If the DVR software is closed down on the main PC screen, it continues to operate in the background even though not showing.

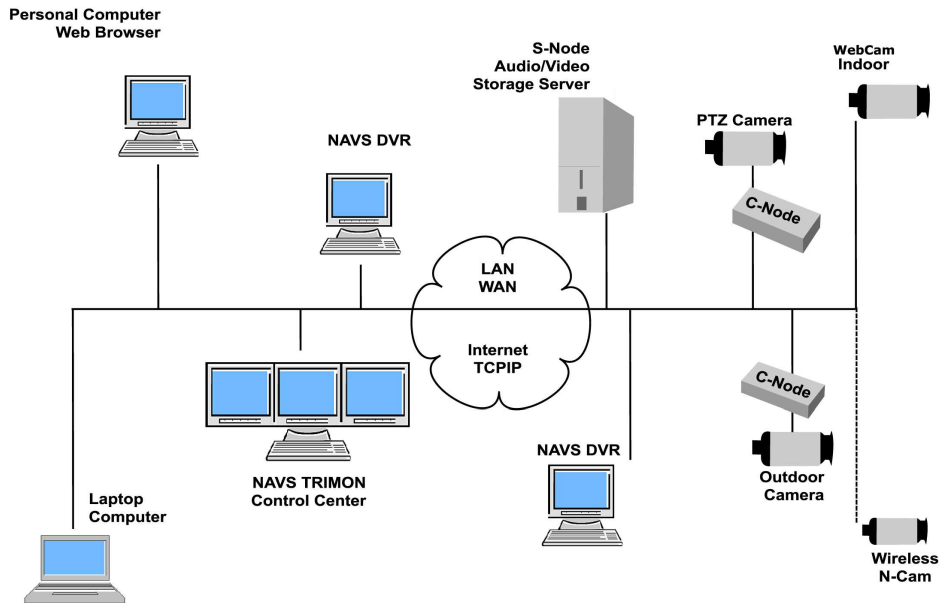
Executable Backup Files

This feature allows playing backup files on any computer without special software.

Multi-Zone Motion Detection

The system supports whole screen motion detection or user defined area motion detection, with several detection areas for each camera.

TYPICAL SYSTEM CONFIGURATION



Additional Features

- ◆ Application Lock allows user to access the DVR features according to their authority
- ◆ One Search allows user to playback single camera without leaving the main camera screen
- ◆ Full Screen Mode allows viewing of all cameras with out the user interface
- ◆ 2-Way Audio allows for simple 2-way communication
- ◆ Embedding date and time with the video validates recordings originality and creation date
- ◆ Administrators can add users and assign user level rights for heightened security and usability
- ◆ Easy access to the backup feature allows the user to backup their old data on any medium (manual, scheduled, concurrent backup options)
- ◆ Image analyst feature allows the user to verify that the image is a true watermarked image
- ◆ NAVS DVR supports up to 16 sensors and 4 relays connected to the DVR
- ◆ Each Sensor could be configured to use any number of cameras and relays available to the system
- ◆ Remote Relay control
- ◆ NAVS has playback features such as, forward, play, frame per frame, fast forward, fast reverse, and still image shot.
- ◆ Sound triggered motion recording / adjustable trigger levels
- ◆ Event Notification features such as displaying a red border around a triggered camera, or displaying the triggered camera in full screen mode, and also sending out an audible alert of the triggered camera
- ◆ Easy Setup of Email notification allows the user to receive snapshots of motion, sensor, and/or video loss to his/her Email address. (selectable per camera)

DVR SYSTEM SPECIFICATIONS

GENERAL

Camera Inputs 4 & 16 PAL or NTSC
Processor 2.66GHz Pentium (D)
Operation System Windows XP
RAM 512DDR (Upgrade to 1GB)
Alarm Inputs 4, 16 dry closure inputs
Audio On board 16 bit sound card
Audio Inputs 1 – 16**
Relay Outputs 4 relay outputs
Video 128MB DDRAM AGP
Monitor Outputs VGA - 1
 COMPOSITE - 1
PTZ Control 1RS-422/485 Interface
Hard Drive Options 750 GB – 8.0TB
Archived Storage DVD/RW
 Removable Hard Disk Drive up to 500GB
 (optional)
Communications 10/100 on board Network Card

DISPLAY OPTIONS LIVE

NTSC/PAL Switchable Yes
Camera Display 1,4,6,9,10,16 Screen Split
Digital Zoom Yes

DISPLAY OPTIONS PLAYBACK

Camera Display 1,4,9,16 (selectable and simultaneous)
Shuttle Function Forward, Reverse
Digital Zoom Yes

RECORD FUNCTIONS

Compression MPEG-4/MJPEG
Image Size 704X576, 704X288, 352X288
Event Record Modes Motion Triggered
 Sensor Triggered, Time-Lapse (pre & post),
 Combination of Motion and Alarm,
Continuous Record Modes Individual Record, Schedule Record
Alarm Record Modes Yes
Pre-Alarm Yes

INCLUDED ACCESSORIES

Windows compatible Keyboard & Mouse
 Power Cable, PTZ Connect Cables, Manuals

INCLUDED SOFTWARE

Microsoft™ Windows XP CD
 SecurteX™ Software CD with RMS (remote monitoring software) & Manuals
 DVR System Recovery CD

Video Motion Detection Yes
Image Authentication Yes
Image Record Rate 100, 200 & 400 fps per 16 camera system

REMOTE CONNECTION

Archives while recording Yes
Connect Via TCP/IP (LAN, WAN, Internet)
Live and Recorded Video Yes
PTZ Control Yes
Audio 2-Way Audio on Remote

GENERAL DIMENSIONS (Length, Width, Height)

Standard Tower 18 3/8" x 7" x 18 3/4"
Rack Mount 20 1/2" x 19" x 7"

UNIT WEIGHT (Approximate)

Standard Tower 30lbs.
Rack Mount 40lbs.

Hard Drive Upgrade option

Upgrade Upto 8.0 Tera Byte
With upgrade case

Storage Options

UPG-HD	Up to 2.0TB in standard tower & 3.0TB in rack case
RHD	Removable Hard Drive, for backup – optional

System Accessories, and Power Conditioners – Optional

I/O-16	Accessory panel for 16 Digital input/outputs
PCIT	Power Conditioning Isolation Transformer (optional)
UPS-500	Supplied by the Dealer
POWER-KIT	Supplied by the Dealer
MKB-UPG	Mini Keyboard upgrade from Standard Keyboard (optional)

System Audio – Optional

AE-4	4 Channel Audio Expansion Card (optional)
AMP-SPKR-SYS	Amplified Speaker System (Supplied by the Dealer)
LD-K	Microphone Kit (Supplied by the Dealer)