

SoftNVR-IA

64-channel IP video surveillance software designed for industrial automation systems



- > Up to 64 channels in one system
- > Built-in OPC server for easy communication with automation systems
- > Live view with H.264, MPEG4, and MJPEG, from VPort products
- > Dual monitor display capability
- > i-frame (key frame) decode only to save system resources for higher priority tasks
- > Video recording with manual, event-triggered, and scheduled recording
- > Playback system with event and time-based search functionality
- > Supports remote live view and remote playback via web access
- > Video watermark verification and fail-over system design

18

IP Surveillance > SoftNVR-IA

Introduction

The SoftNVR-IA 64-channel IP surveillance software is designed for use with industrial applications. One of the key features of SoftNVR-IA is a built-in OPC server, which can communicate directly with industrial automation systems (SCADA, HMI, etc.). To enhance system intelligence, video recording and alarms can be triggered by events such as Digital

Input and Video Loss that are supported by SoftNVR-IA, as well as events in automation systems. Most importantly, SoftNVR-IA gives industrial system integrators unlimited capability for integrating IP surveillance systems with automation systems.

OPC Communication

- Can receive event tags sent from the automation system to trigger video recording and other actions
- Can send event tags to the automation system with system information and the status of each channel



Live View

- Supports 1, 4, 6, 9, 10, 13, 16, 25, 32, 64 live display
- Supports MJPEG, MPEG4, and H.264 video streams (for VPort products only)
- Supports up to 64 channels in the camera list
- Easy-to-use with drag and drop video display selection
- Can provide snapshot images in JPEG format
- Supports image tuning, including brightness, saturation, contrast, and hue
- Supports 2-way audio for voice communication between field sites and the control center
- Supports dual monitor and full screen display
- Supports display screen rotation
- Supports the PTZ control panel defined in VPort products
- Supports PTZ patrol
- Supports i-frame (key frame) decode only, which lowers displayed frame rate immediately to save system resources for other higher priority tasks



Dual monitor display

Video Record

- Video recording can be triggered manually or by event
- Video files are in AVI format, and can be played back on all popular media players
- The storage hard disk can be selected from network hard drives
- Supports the FIFO recycle function for long time video recording
- Can configure the number of days recorded video files will be stored
- Supports pre-event video recording for up to 30 seconds



Playback & Search

- Can play back up to 4 recorded videos simultaneously
- Supports timeline selection when in video playback mode
- Supports stop, speed up, slow down, rewind frame-by-frame, and forward frame-by-frame
- Search video records by camera, time, or event
- Can take snapshot images when in video playback mode



Schedule

- Can set up a weekday schedule
- Schedule settings can be based on camera and event



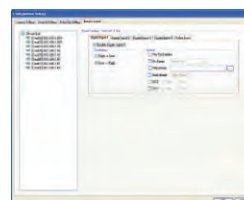
e-Map

- Can load BMP emap for easy camera location identification
- Maximum 32 emaps can be built in the list
- Support video image pop-up when hovering over camera icon
- Select 3 camera icon types and up to 8 lens directions
- Access live display by double clicking camera icon
- Camera icon can be configured in flash when alarm event occurs



Alarm Events

- Alarm events: Digital Input and Video Loss
- Can accept events from the automation system via OPC communication
- Alarm triggered actions: popup display, go preset, play sound, trigger DO (relay)



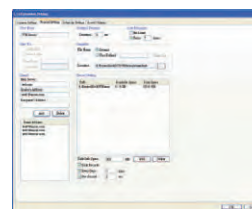
Remote Access

- Remote live view via web access
- Remote playback of recorded video via web access
- Capable of searching a specified recorded video by event, time, and camera
- Remote control of PTZ camera



System

- Automatically search or manually detect the IP address of a video device on the LAN
- Can configure the server name
- Can configure multiple email addresses for receiving alarm messages
- Folder and file names of snapshot images can be customized
- Up to 4 groups and 32 users privileges for different operation purpose
- Supports English, Traditional Chinese, and Simplified Chinese



Recommended System Requirements

- Intel Core i7-2600 CPU @ 3.40GHz (4 CPUs) or above
- 4 GB RAM or above
- Windows XP with SP3, Windows 7
- Motherboard: Intel chipset recommended
- Display card: ATI Radeon 9200, nVIDIA GeForce GT220, or above (dual monitors require 2 outputs); 1 GB DDR3 recommended

Ordering Information

Available Models

SoftNVR-IA V3.1: 64-channel IP video surveillance software for industrial automation systems

Package Checklist

- SoftNVR-IA CD (includes the SoftNVR-IA software and related documents)
- Key Pro (plugs into the USB port)
- Quick installation guide (printed)