



**SCALABLE.
DISTRIBUTED.
INTUITIVE.**



Product Overview

The nDVR software is the core intelligence of the SmartSight's enterprise-class managed video solutions. It is based on a distributed client-server architecture that enables simultaneous viewing, storage and capture of high quality, high resolution, video, voice and data services.

The nDVR software offers a highly scalable solution that can integrate up to 48 cameras and audio feeds. The nDVR software can be combined with the S1000w™/S1100w™ wireless video transmitters and the S1500e™ series of Ethernet video servers (including the S1508e™).

The nDVR offers a unique software solution capable of leveraging the enterprise's server platform by using the same maintenance program for both CCTV and IT equipment thus reduces the long-term cost of the surveillance system; this integration facilitates the update of the system with the latest SmartSight features. Unlike conventional DVR systems, which may quickly become obsolete, Versalis represents a long-term investment solution with its support for software updates at all system architecture levels.

Key Features

- Built on Windows NT and MS SQL technology
- Truly distributed IP architecture from end to end, reducing the cost of cabling and maintenance
- Scalable client-server architecture enabling simultaneous live and archive viewing by multiple authorized users
- Support up to 48 cameras at 30 frames per second each on a single server
- Multisite, enterprisewide management and supervision over both LAN/WAN and the Internet, for maximum flexibility
- Capability to support decentralized monitoring up to three archiving sites and up to 48 remote camera sites without geographical constraints
- Unlimited storage capability using local disks (IDE or SCSI), network attached storage (NAS) devices, or both
- Scheduled backups on mapped drive, NAS, or tape
- End-to-end SSL-based authentication and data encryption enabling high security across the network
- 248-bit RSA digital video signature for unalterable credible evidence
- Enhanced integration capability with third-party security systems and management information systems (MISs) using the nDVR software development kit (SDK)
- Internet Explorer 5.0+ Web-client support

Specifications

nDVR Client

Three user-interface modules that can run on multiple workstations simultaneously

Monitor

Capabilities include:

- Monitor up to 32 live cameras and site maps simultaneously*
- Configure split views and set dwell times between views
- Manually trigger audio and video recording
- Instant Replay capabilities: review an event that has just occurred, while continuing to monitor the live feeds.
- View and control camera sequences within the Monitor
- Use live audio communication
- Define up to 99 presets and patterns for motorized cameras and domes
- Enter motorized camera or dome menu directly without exiting application
- Activate digital zoom mode
- Select internal/external alarms and displayed messages
- View real-time alarms and alarm history (since initial login)
- Connect an external CCTV keyboard to control remote cameras and send video streams to specific external analog monitors

Archive Player

Capabilities include:

- Play back video from any camera by time and date
- Search video sequences based on events, alerts, bookmarks, and motion
- Search video sequences for motion in specific image areas
- Play back up to four video sequences simultaneously (synchronous or asynchronous)
- Create new bookmarks on any sequence
- Play back video to analog monitors (or send to VCR)
- Perform frame-by-frame or fast-mode playback and play forward
- Digitally zoom in to image
- Save selected images to JPEG or bitmap formats
- Save selected sequences to disk along with standalone archive player application
- nDVR video files can be converted to .AVI format

Configurator

Parameters include:

- Archive camera scheduling
- Archive triggering (continuous, motion detection, dry contact alarm, or via SDK)
- Number of days to keep video record per camera
- Pre/post-event storage duration per camera
- Motion detection zones and sensitivity levels per camera
- Live and recorded video parameters per camera
- Backup schedules per camera
- Network (multicast, multicast by server, or UDP protocol per camera)
- Setting of actions based on system events
- Creation of camera sites and grouping of cameras per site
- Creation of multilevel interactive HTML maps per site
- Pan-tilt-zoom (PTZ) protocol per motorized camera or dome
- Dry contact and relay output
- Users, passwords, and user rights

* Must have ATI Radeon 32 MB or Matrox G450/G550 graphics card installed and minimum P4/2.4 GHz computer with 512 MB DRAM

nDVR Server

Management and storage modules installed on one or more computer servers

Configuration parameters:

- Internet Explorer 5.0+ Web-client support
- Local or remote MSOL database
- Storage devices: local disk, remote disk, network attached storage (NAS)
- Backup: digital tape, NAS, remote disks, etc.
- Video encryption configuration
- Remote access via the Internet
- Location of system log file
- Ethernet port selection
- Enabling/disabling audio recording
- Email accounts for alarm notification

Ordering

Part number	nDVR
Description	Video management and storage software with Internet connectivity functions (includes 8 camera/analog monitor licenses and 2 client licenses)
Part number	nDVR-2U
Description	Connections for two (2) additional user/client licenses (nDVR)
Part number	nDVR-2C
Description	Connections for two (2) additional camera/analog monitor licenses (nDVR)
Optional add-ons	
Part number	nDVR-AUDIO
Description	nDVR with audio recording and intercom support
Part number	nDVR-WP
Description	nDVR with web client software for Internet Explorer 5.0+
Part number	nDVR-BU
Description	nDVR with back-up and restore functionality
Part number	nDVR-EKB
Description	nDVR with external keyboard (inquire for list of models)
Part number	nDVR-MAPS
Description	nDVR with HTML maps support
Part number	S8500
Description	Intel-approved rackmount computer that includes internal storage capacity of 1.2 TB and an additional 6 TB of external storage (refer to S8500 specification sheet). Preinstalled with nDVR server and client applications and Windows 2000 Professional