



Enterprise Series Digital Video Recorder

SX-500 Digital Video Recorder (DVR)

The Advantage SX-500 is a complete business management solution offering advanced digital storage and playback, full-featured alarm functions and superior remote access using H.264 streaming video technology. It's easy to set-up and to use the mouse controlled recording, playback and archiving features. The SX-500 is a Windows™ based DVR developed for industrial and retail applications.

Main Software



Easy Search



Powerful Remote Viewing



H.264 Video Compression

H.264 provides superior remote viewing and can record significantly more data than MPEG4.



Advanced Video Monitoring

Support for up to 32 cameras, up to 8 monitors with high screen resolutions, and much more.



IP Video Camera Support

Supports a wide variety of IP CCTV Cameras. The Hybrid DVR can support up to 32 CCTV Cameras, any mix of IP Cameras and analog cameras.(Optional)



User Friendly Interface

Unique Graphical User Interface(GUI) provides users with the ability to easily navigate all of the DVR's functionality.



Enterprise Level Remote Viewing

Live streaming video & audio. Advanced playback, PTZ control, and I/O control. Optional CMS software to monitor, control, and record up to 1,000 SX-500 DVR's.



Powerful search options.

Easily find specific video events. Advanced search options, Object search, timeline search, thumbnail browser and much more.



Advanced Recording Options

Configurable frame rate, quality, and resolution for each individual camera. Pre-motion and post-motion recording and much more.



Multi-level Password Protection

Support for 1,000 accounts with logins and passwords, individual permissions and settings per user.



Superior Video Back-up

Easy video back-up of short video clips and complete video archiving. EXE format back-up to play with any video player. AVI format back-up with multiple screens.



E-mail, Text Message, and Call Notifications

Configurable event notification. Send E-mail notifications with video images attached. Custom messages for telephone and text message notifications.



Quadruplex operation.

Simultaneous operation of recording, playback, backup, and network.

New Features

New features to Main System:

- Digital Matrix
- Automatic adjustment for DST (Daylight Saving Time)
- Lost signal alarm
- Windows-based direct POS integration (POS Text Sender)
- Crowd Detection
- Advanced Scene Change Detection
- Advanced Unattended Object Detection
- Advanced Missing Object Detection
- Single Camera Tracking
- Iris button added to the PTZ control panel
- Colorful Mode to enhance video color

New features to Center V2:

- Remote control of I/O devices from IP devices
- Unlimited log retention time
- Colorful Mode to enhance video color
- Assigning a DVR client to another Center V2

New features to WebCam:

- Multicast
- Audio Broadcast
- POS/Wiegand Live View option added to Single View
- New GUI for Remote Playback (RPB)
- Support for BlackBerry phones

New features to Control Center(optional):

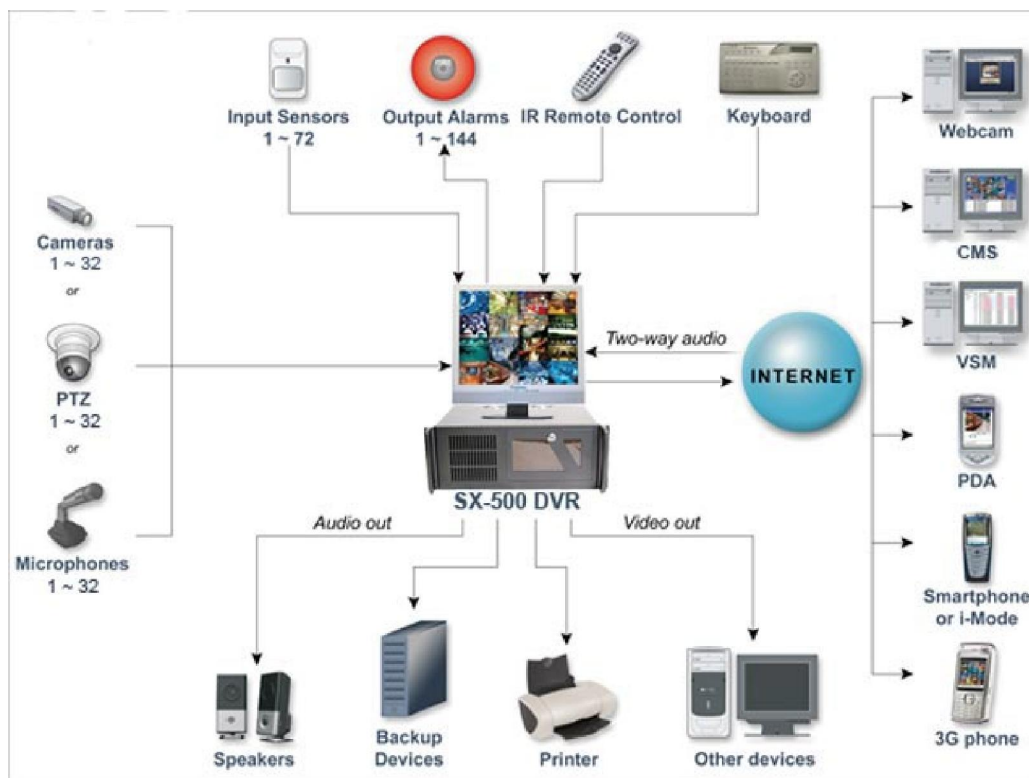
- Support for new event settings in VMD, including Crowd Detection, Advanced Scene Change Detection, Advanced Unattended Detection and Advanced Missing Object Detection
- Colorful Mode to enhance video color
- QView in Matrix for channel display on another monitor
- Remote control of I/O devices from IP devices
- Pop-up live view upon input triggers in I/O Central Panel

New features to SMS Server(optional):

- Unlimited log retention time
- Support for new alert events, including Crowd Detection, Advanced Scene Change Detection, Advanced Unattended Detection and Advanced Missing Object Detection
- Support for Wavecom GPRS Modem

New features to VSM(optional):

- Remote control of I/O devices from IP devices
- Unlimited log retention time
- Automatic insertion of ID and Name to SMS messages
- Support for new alert events, including Crowd Detection, Advanced Scene Change Detection, Advanced Unattended Detection and Advanced Missing Object Detection



Full Feature List

Monitoring

- Supports up to 32 cameras in SX-500 System and CMS applications
- Digital Matrix, supports a maximum 8 monitors display
- Hybrid Solution integrating analog videos with digital videos from our IP video products and third-party IP cameras(optional)
- Codecs: H264, MPEG4 ASP, H264 V2
- Multithreading Encoding
- Higher Screen Resolutions (1920 x 1200, 1680 x 1050, 1600 x 1200, 1280 x 800, 1440 x 900 and 1920 x 1080)
- Noise Tolerance for Motion Detection
- Noise Detection to Reduce File Size
- Noise Filter to Filter Out Video and Audio Noise
- Report Generator
- Support for Cardholder data from Video Server (optional)
- Touch Screen Support
- Full screen view
- Dual display operation for live monitoring and ViewLog playback on two monitors
- Screen pop-ups on motion or alarm activation
- Object counting
- Object tracking and zooming by PTZ domes
- Unattended and missing object detection
- Alarm on objects passing between predefined regions
- Digital watermark
- Video lost detection
- On screen video loss message
- Video de-interlace filter
- E-map
- Windows lockup
- Image size indicator
- Synchronized video an audio
- Backlight compensation
- Video auto gain controller
- Video scaling filter
- AVI repair utility
- System log
- Support 1,000 accounts for logins and passwords
- Multi level passwords protection
- Use Microsoft Remote Desktop to control another SX-500 System
- Twin DVR
- Embedded I/O devices control
- Embedded PTZ control panel
- Support dynamic IP address
- Password Expiration Management
- System Idle Protection
- Spot Monitor Controller
- POS Live Viewer
- Photo-ID Integration(optional)
- Hard Disk Calculator
- Authentication Server
- Colorful Mode to enhance video color

Intelligent Recording & Playback

- Choice of recording at 30, 60, 120, 240, 480 and 960 fps
- Recording trigger by round-the-clock, motion detection, alarm and schedule
- Adjustable recording quality and frame rate for each camera
- Pre-motion and post-motion recording
- Supports Windows XP / Vista / 7 burning software
- Pre-Recording Using HDD
- Advanced Round-The-Clock Recording
- Instant Playback
- Time Merge From Different Clips
- Splitting Files for Backup onto Multiple Discs
- Extracting Frames from a Video Clip During Playback
- Support for Daylight Saving Time (DST)
- Playback of GPS tracks

Audio

- Up to 32 channels of live audio streaming and recording

Video Analytics

- Advanced Motion Detection
- Face Detection(optional)
- Advanced Scene Change Detection
- Advanced Unattended Object Detection
- Advanced Missing Object Detection
- Privacy Mask
- Enhanced Object Counting
- Intrusion Alarm
- People Counting
- Panorama View(optional)
- Video Stabilization(optional)
- Defog Function(optional)
- Crowd Detection
- Single PTZ Tracking

Smart Search & Ease Playback

- Timeline Search
- Face Detection for Object Index
- Object search
- Index search
- Object Index
- Thumbnail browse for ease of search for specific frames within video footage
- Export video footage within a specified time range
- Synchronized audio and video for both live and playback modes
- Continues playback of set frames A to B
- EXE format export, playable with any third-party players
- AVI format export in multiple screens mode
- DVD format export for Hybrid Card format files
- Option for recycling the input-triggered events (Never recycle function)
- Backup, save AVI and BMP functions accessible in LAN ViewLog
- Automatic refresh of the video event list in LAN ViewLog

Full Feature List (Continued)

Notification

- E-mail notification with attached video images on motion and alarm activation
- E-mail or telephone notification on video lost or I/O error
- Directs PTZ dome to a preset location on motion and alarm activation
- SMS alerts available in Main System, Center V2 and Vital Sign Monitor
- Alarms on objects that pass between predefined regions

WebCam - Remote Surveillance

- POS Live View via IE Browser
- 3G Mobile Phone Support (3GPP)
- SSL Encrypt Connection Support
- UPnP™ Support
- Control Panel on Single View to Provide Instant Information and Operation
- Support PIP, PAP, Defogging Live Videos, and Video Stabilizer in Single View
- Restricting Power User and User to Access WebCam Server at Specified Time Length
- Event List Query
- Download Center
- Drag-and-Drop Support for Camera, PTZ and I/O Icons on the 2 Windows of MPEG4 Encoder Viewer
- Remote E-Map
- Pop-up Live Images upon Input Trigger in Remote E-Map
- Multicast
- Audio Broadcast

Advanced I/O Control

- Visual Automation
- Virtual I/O Control
- One-Click I/O Status Control
- Multiple I/O Types Selection
- Latch Trigger Feature

Mobile Phone Application

- Support 4, 9, and 16 screen divisions
- PTZ control via directional buttons
- Channel switch via middle button
- Support for Nokia S60 3rd Edition

Remote Monitoring Software

- Remote View
- IP Multicast
- WebCam
- Remote Playback System
- G-View for WinCE PDA
- I-Mode
- BlackBerry phones

IT Technology

- RSA Network Security
- Authentication Server: central control of password settings in local DVRs