ECRS
RETAIL AUTOMATION SOLUTIONS

ECRS | Digital Video Recorder

Control

In the retail trade, internal theft results in greater losses than shoplifting. According to the National Retail Security Survey conducted by the University of Florida, the average inventory shrinkage rate amounts to 1.8% of total retail sales. The ECRS DVR Server is a powerful theft deterrent that helps reduce and discourage theft within your store environment. Retailers are often preoccupied with potential theft and poor customer service by their employees. Minimize that risk with the ECRS DVR Server. Audit your employees' transactions and monitor customer service procedures from any location. Reduce inventory shrinkage and improve customer service activities by viewing any site with the simple click of a mouse.

Simple Snap-Together Integration

As another big step towards ECRS's total convergence strategy, the ECRS DVR Server is IP-based, and POS integration is a snap. Just plug the server into the network and make a simple address setting and the DVR Server works as one seamless and complete solution. This unprecedented level of integration is a POS industry first. No third-party cables or connections required. When coupled with Catapult, the DVR's POS Electronic Journal Viewing allows you to search and view transactions by all major POS functions such as voids, item corrects, cashier, etc. with the receipt right on the the screen with the captured footage. The ECRS DVR also features motion search, synchronized playback, remote viewing, and expanded connectivity, including LAN, WAN, Internet, dial-up, and is web browser enabled.

DVR Server Specification

- ECRS DVR Server Software with 4 port analog camera card plus 4 IP camera licenses
- CPU P4 2.8ghz
- MEMORY 512MB
- HARD DRIVE - SATA (7200 RPM) 400 GB
- CD-RW 52x32x52
- VIDEO CARD Intel on-board
- KEYBOARD & MOUSE
- OS Windows XP Pro
- 15" LCD monitor

The ECRS DVR stamps the captured footage with the appropriate transaction journal information, providing optimum surveillance documentation.

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ECRS DVR | Specifications

Color and B/W Cameras	Allows any combination of black-and-white or color, new or existing cameras.
Camera Types	Works with all major Analog CCTV Cameras and select IP Cameras.
Independent Camera Configuration	Recording parameters can be set for each camera independently. That includes recording rate, resolution, storage period, post event recording period, motion sensitivity, detection area selection, motion alarm schedule, and image adjustments.
Recording Modes	Multiple modes of recording allow images to be captured using time-lapse, transaction or dry contacts. Record and search based on camera, zone, time, date, alarm, and transaction number and type.
Loop Recording	Loop recording eliminates human error issues related to tape management.
Recording Rate	High frame rates of up to 30 fps/camera (NTSC), or 25 fps/camera (PAL) ensure that no events are missed.
Storage	Surveillance images and/or video are archived in 24-hour segments. Detailed time-range searching can be performed within any 24-hour segment.
Digital Storage	Digital storage prevents recorded images from degrading over time and enable image enhancement procedures while preserving the original. Digital technology means reduced number of mechanical parts translating in less breakdowns and better security.
Motion Detection	Video motion detection allows for recording only when there is movement in the field of view. Motion can be detected in the entire image or only in a user selected area.
Pre and Post Event Recording Alarm Event Transmission	Pre and post alarm video can be transmitted to an alarm center. The system can also send an alarm message to a pager or an email with images in attachment to a user specified address. This allows alarms to be easily verified prior to demanding an intervention.
Backup Alarm Center	A backup alarm center can be set in case the default one is not operational.
Compression	Proprietary compression and encryption algorithms based on the JPEG standard ensure that the recorded video cannot be altered. Only entire images are recorded, which avoids potential court objections on the reliability of the evidence.
Resolution	Selectable standard or high resolution ensures good picture quality and effective evidence.
Built-in Multiplexer	Live video from multiple cameras can be viewed using the built in multiplexer. No extra equipment required.
PTZ Control	A built-in PTZ application allows full control of many PTZ cameras through the use of a mouse.
Open Architecture	Standard commercially available equipment makes the system easy to upgrade and expand.
Triplex Functionality	Triplex functionality allows playback and video streaming without affecting the recording process.
Output Contacts	Motion or system generated alarms can trigger output contacts that can be used for starting silent alarms, turning on additional lights, locking doors or trigger other counter measures.
Connectivity	DVR's open format allows for several methods of connection with other devices such as burglary, access control, POS systems or ATMs.
Network	DVR is network-ready, multiple units being capable of working together in a single larger system. The video system can thus be expanded beyond the limits of a single unit by simply adding new units as the need for more cameras grows.
Language Support	DVR is available in 4 languages: English, French, Spanish, and German.
Remote Retrieval	Recorded images can be retrieved and live video can be accessed remotely from a standard PC or laptop using proprietary retrieval software or an Internet browser.
Communication Media	Calls to remote locations can be made over standard phone lines, ISDN, cellular, cable, or network communications.
Image Formats	Images can be exported in the most frequently utilized image formats. Also, entire video clips can be archived in a proprietary ECRS format, AVI or a self-extracting format. This facilitates the distribution of recordings to law enforcement agencies, which are not required to install proprietary software in order to examine the evidence.
Incident Reports	Images can be printed on inkjet or laser printers. There is no need for expensive video printers with high per-print costs. Incident reports can be printed, faxed, emailed or copied on floppy disc, CD or digital tape.
Motion Search	Motion search instantly retrieves recorded video that shows motion in a selected field of view.
Synchronized Playback	Synchronized playback allows the investigator to quickly build a storyboard by following the intruder throughout the facility.
Real Time Playback	Sometimes looking at the footage played at the same speed it was recorded can reveal important aspects of an event. The real-time playback feature makes that an easy task.
Compression	Wavelet compression is used in video streaming to increase performance in low bandwidth conditions.
Bandwidth	Bandwidth limits can be set in order to comply with the user's corporate network restrictions.
Remote Configuration	DVR Anywhere reduces service costs by allowing remote configuration changes and service intervention.
Remote Diagnostic	AutoWatch, DVR's remote diagnostic software, automatically dials into sites on a preprogrammed schedule to confirm the status of the system. This reduces potential downtime and allows dealers to be extremely proactive in servicing the end user.

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