



VDR-S

Digital video surveillance system



Digital Video Recorder

www.alnetsystems.com

Digital video recorder VDR-S

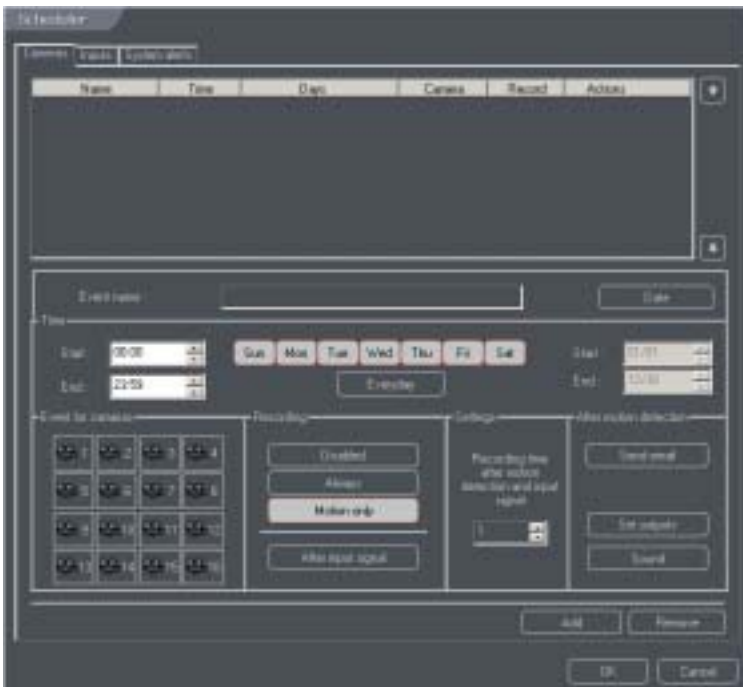
VDR-S PRO is the latest development in the Digital Security Technology. The Alnet VDR-S system is specifically designed for video image recording and remote viewing. VDR-S PRO system is available in four different versions: 4, 8, 12 and 16 channels. The 4, 8 and 12 channels versions are upgradeable to 16 channels. Video inputs are in groups of 4 or 8 on each video capture card. Single video capture card can process from 25 to 100 frames per second in PAL and 30 to 120 frames per second in NTSC. Picture parameters (key frames, color, saturation, quality etc) can be specified manually by the user with individual settings for each camera.

VDR-S PRO Main screen



Video recording, motion detection and alarm signal inputs are activated or scheduled in the main screen. Motion detection parameters can be set independently for each camera. Alnet VDR-S motion detection feature significantly decreases the amount of hard disk space required for video archives. Some areas can be excluded from motion detection altogether. The user can select the area of interest, where motion will be detected and exclude the rest using our industry unique picture-masking tool. This feature also allows the user to ignore effects of tree movement, clouds, rain and small animals.

VDR-S scheduled events screen



4 alarm inputs and 4 relays are integrated on a single video capture card. These features allow for extended system functionality to control and process: receiving alarm signals from several different kinds of sensors and remote control of different types of electrical devices such as: lights, gates, and appliances. These alarm inputs and relays can be programmed as scheduled events.

Alnet VDR-S PRO system allows the USB joystick, mouse or keyboard control of a PTZ dome camera, either locally on the server or from remote location through LAN or the Internet. Additionally, the path of the PTZ dome can be programmed with several preset positions.

Alnet VDR-S Scheduler enables the automatic notification of an event. Upon alarm being triggered, the user can be instantly notified of the event by email (with optional screenshot attached). It only takes a few simple mouse clicks to enable the motion detection feature alert or an alarm input signal alert.

Alnet VDR-S Video Archives screen has the most user friendly interface within the industry. The time chart feature, which can be divided into one second increments, allows easy and instant access to recorded video footage. It allows searching for any detected activity in selected area. This useful feature, not available in older or less advanced systems comes as standard in Alnet VDR-S. The search is as easy as selecting the desired date from the calendar, time and activity areas.

The VDR-S system will display all frames where the activity was detected. Using an analog VCR to do the same it would require an operator to fast forward a number of videotapes, which is time consuming and lacks the efficiency of our system. What could take hours using traditional methods, can be done in seconds using Alnet VDR-S. Any frame on the VDR-S archive system can be bookmarked for future viewing. This feature allows fast browsing of the archives, jumping from one bookmark to another and immediate access to bookmarked events.

Remote browsing of the archives feature is also implemented in our free VDR-C client application. We have added a backup feature which allows creating movie files from the archives and copying them to other media (HDD, CD-R/CD-RW, DVD)

Our video stream is compressed using the unique differential compression algorithm developed by Alnet Systems. This special method minimizes the size of a single frame of the video and allows recording up to 90 days of footage from 16 different cameras at 5 frames per second per camera on a 60GB hard drive.

Video archives screen



VDR-S PRO camera settings screen



Mobile VDR-C client application



Our Mobile Client software provides easy and simple access to video archives from the server using the mobile phone network. The archives or live vision can be viewed from any location in the world in full color on the screen of the mobile device.

Alnet's VDR-S software uses an industry unique differential compression algorithm. This compression makes VDR-S an optimal video streaming solution for low bandwidth connections like modem dial-up or GPRS.

VDR-S is available for Windows 2000 and Windows XP only, the VDR-C application is fully compatible with Windows 9x/Me/NT/2000/XP, Pocket PC (PDA) and Symbian and Java used in Nokia phones series 60 & 40. Please, visit frequently our website for newly supported PDA devices and cell phones.

VDR-C client software screen



Mobile VDR-C for Nokia cell phones



The hardware requirements for the PC running VDR-S system with 1 video capture card:

- Intel processor PIII 1GHz
- Intel chipset motherboard *
- RAM 256MB
- HDD minimum 20GB
- Network adapter or modem
- Windows 2000/XP

* VDR-S PRO software works with VIA/SiS motherboards but performance could be lower

VDR-S PRO software can be integrated with our PRS – license plate recognition system. VDR-S PRO software is sold in a package kits with one, two, three or four video capture boards, CD-ROM, dongle (hardware security key) and the manual in Adobe Acrobat format.

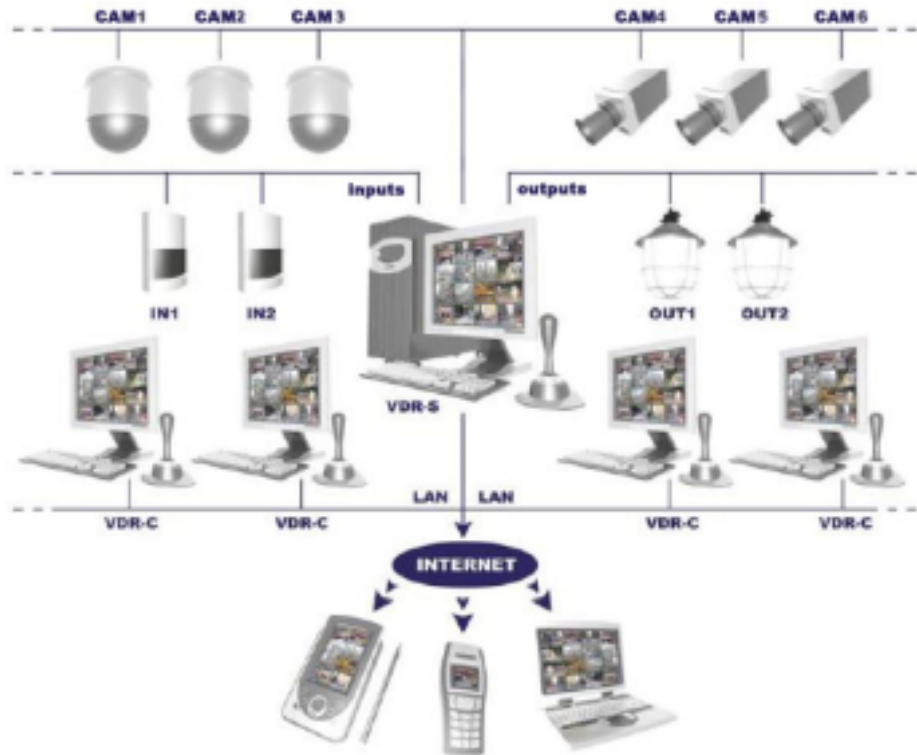
Available VDR-S PRO versions

Software version	Video Inputs	Capture rate (fps)		Alarm inputs	Output relays
		PAL	NTSC		
VDR-S PRO 4	4	25	30	4	3
VDR-S PRO 8	8	50	60	8	6
VDR-S PRO 12	12	75	90	12	9
VDR-S PRO 16	16	100	120	16	12
VDR-S PRO RT 4	4	100	120	4	3
VDR-S PRO RT 8	8	100	120	4	3
VDR-S PRO RT 16	16	200	240	8	6

Alnet's Mobile VDR-C client software for the Pocket PC contains most of the functionality found in our VDR-C PC client (PTZ dome control, relays, alarm inputs, remote archive view). The Mobile VDR-C client allows remote surveillance using the mobile phone from any place in the world without the need for a computer with internet connection.

The Mobile VDR-C version could be specifically useful for security guards. The guard equipped with the mobile phone or PDA would be able to check the perimeter before actually entering the Alnet VDR-S protected premises. This solution would benefit both the owner of the premises (less security officers to employ and consecutively lower cost) and the security company (safer working environment for guards).

Example system configuration



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