PC MULTIPLEXER™   DATA SHEET

PC MULTIPLEXER turns a PC in to a digital video multiplexer by recording video inputs onto the hard disk of a PC.

PC MULTIPLEXER package consists of Windows based software and a 4 input video card that is installed inside the PC in a spare PCI slot. If more camera inputs are needed four input expansion module can be added to give a maximum of 16 inputs.

Optional Alarm input cable. Each cable provides 5 alarm inputs, giving a maximum of 20 inputs if a cable is fitted to all 4 boards. The software can be set to record time-lapse on hard disk, DVD RAM, network server or any PC storage device. If an alarm trigger occurs pictures will be saved separate from the time-lapse recordings.

PC MULTIPLEXER enables you to constantly view images from the cameras, and records those images so that they can be found and replayed easily. PC MULTIPLEXER has the added advantage of being able to view stored images whilst still recording. PC MULTIPLEXER can also be set to keep alarm events, but repeat record over time-lapse recordings after a selectable number of days.

When an intruder triggers an alarm, the PC automatically records for a selectable duration restarting the duration if the alarm is triggered again.

Pictures are stored as .JPEG images which are stored with a file name to indicate both the time and date. This enables you to know exactly when a particular event took place. The picture quality can be adjusted using on screen controls and you can also choose how fast to record. Other options allow you to set a daily schedule to start recording at different times.

PC MULTIPLEXER Key Features:

Quadplex action: PC MULTIPLEXER can perform four functions simultaneously, without affecting other users:

- Record images
- Playback recordings whilst still recording
- View live images locally
- View live/stored images remotely via network or phone line

Flexible Record Settings - Choose how may days of recordings to keep. Choose which hours during the day to record, and which cameras to record during those periods. Choose the quality of your recordings. Choose the speed of recording. Choose how much hard disk space to preserve.

Alarm Recording - Record images on alarm for a definable period of time. Choose which cameras will be recorded on each alarm input. Up to 20 alarm inputs.

Programmable Function Keys - Create up to 256 flexible function keys that can contain many different commands. Trigger these function keys automatically during your recording and on alarm. For example, a function key could be programmed to Email a recording to a mail recipient.

Viewing video over a PC Network

Viewing pictures over a PC Network or dial up Network (via phone line) is now possible using our additional software package, 'MULTISTORE NETWORK VIEWER'. This is achieved by sending video pictures over a TCP/IP network. Each Networked PC can view and store the images on its' own hard disk and replay them at a later date.

Email & Web Upload

PC MULTIPLEXER has the ability to email a picture to up to 20 email addresses. The email feature can be programmed on to the software's function keys. These can be triggered by an alarm input, keyboard, and timers or on screen buttons. The email can have a JPEG imaged attached (of an alarm trigger point for example) or just a text message (ideal for mobile phone users). The web upload command can again be put into a function key and is intended for use by anyone who wants to show pictures from CCTV cameras on the Internet or intranet. If users have a permanent connection to the internet is available (cable modem or DSL) then pictures will be uploaded at a specified rate or the software can be set to make a dial up connection via phone line, upload the picture and then disconnect to save on call costs.

Motion detection on playback

When playing back video images the user can select an area of the screen to detect motion in and then press play to do a motion search. The software will stop playback when movement occurs inside the selected area. This can save hours of sitting at the PC watching playback for a specific event.

Hardware	Requirements
PC & Display	Pentium III 500MHz or AMD equivalent (or higher)
PC Ram	128MB or above recommended
PC Hard drive	500 MB or above free. 1 GB or higher recommended
PC CD/R/RW drive	CD ROM 4 X Speed or higher, CDR or CDRW for recording on
PC Pointing device	MS mouse or touchscreen
PC Parallel port	1 parallel port
PC RS232 Communications ports	One required for SOM1 Relay Output Card. One may be required for mouse or touchscreen.
PC Operating system	Windows 98SE, ME, 2000, NT or XP
Capture card or device Required	PC Multiplexer cameras 1-4 PCI card Or PC Multiplexer 4 way expansion module
Alarm inputs	RJ45 connector, Normally open or closed voltage free 5 per card
Video Picture Compression	JPEG. User adjustable quality. Stored picture size 384 x 288
Recording Operation	Automatic start daily for Time Lapse Recording or manual start. Option to either view the live picture or log while recording. Schedule for record times.
Playback Picture Access	By date, time, or alarm. With instant search.
Playback Print Picture	Any printer under Windows.
Playback Export Picture	Export a picture as .JPG image.
PC Network Protocol	Windows TCP/IP network

PC MULTIPLEXER is a

CCTV SOFTWARE

product

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