

# PC MULTIPLEXER ULTRA™ DATA SHEET

PC MULTIPLEXER ULTRA turns a PC into a digital video multiplexer by recording video inputs onto the hard disk of a PC. A choice of capture boards is available offering different recording speeds. The fastest capture board is capable of recording real time video (25 pps) of each of the 4 cameras and even if the system is expanded to 8, 12 or 16 cameras record rates are still 6, 4 and 3 pps per camera. A slower, lower cost board is also available.

PC MULTIPLEXER ULTRA package consists of Windows based software and a 4 input video card that is installed inside the PC in a spare PCI or PCI-X slot. If more video inputs are needed four way input expansion modules can be added to give a maximum of 16 inputs per PC. PC MULTIPLEXER ULTRA enables you to constantly view images from the cameras, and records those images so that they can be found and replayed easily.

PC MULTIPLEXER ULTRA has the added advantage of being able to view stored images whilst still recording. PC MULTIPLEXER ULTRA can be set to keep alarm events, but repeat record over time-lapse recordings keeping as many days as storage will allow. The software can be set to record time-lapse on hard disk, DVD, network server or any PC storage device. Alarm triggered recordings will be saved separately from the time-lapse recordings. An optional alarm input cable provides alarm inputs or each channel can be set up to detect motion. When an intruder triggers an alarm either by alarm input or motion detection, the PC automatically records your chosen cameras for a selectable duration. Alarm events can quickly be played back by clicking on them on the timeline bar. Pictures are stored as .AVI images which are stored with a file name to indicate both the time and date. The picture quality can be adjusted using on screen controls. Other options allow you to set a daily schedule to start/stop recording at different times. Control for moveable cameras can be achieved by adding our Camfunction software.



## PC MULTIPLEXER ULTRA Key Features:

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

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

**Flexible Record Settings** – Choose where to record images: internal, external or networked drives. Choose which hours during the day to record, and which cameras to record during those periods. Choose the quality of your recordings. 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 or motion detection. Choose which camera will be transmitted to remote viewing positions. External alarm inputs or software motion detection on each camera.

**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 picture to a mail recipient.

**Viewing Video over a PC Network** - Viewing pictures over a PC Network or dial up Network (via phone line) is 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 ULTRA 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, 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.

## 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.

## Privacy Masking on Static Cameras

Up to 8 privacy zones can be set on each video input. The privacy zones can be applied to the live or recorded images, or both.

### Preserve recording feature

Recordings can easily be marked to say that they should not be overwritten when storage space is full. This can be done as you playback an incident and decide you would not like to lose it but do not wish to export it at that time.

### Same time, different camera view

When viewing a camera on playback you can now choose to see that same time but viewed on a different camera with a single key press.

<b><u>Hardware</u></b>	<b><u>Requirements</u></b>
PC & Display	Pentium 4, 2.4GHz or AMD equivalent (or higher) AGP Graphics card
PC Ram	512MB or above recommended
PC Hard drive	500 MB required for software. 20GB or higher recommended, See our ' <i>Storage Calculator</i> ' on web site to determine storage requirements.
PC CD/DVD/R/RW drive	CD ROM 4 X Speed or higher, CDR or DVDR for exporting images.
PC Pointing device	Mouse or touchscreen
PC RS232 Communications ports	One required for SOM1 Relay Output Card. One may be required for mouse or touchscreen.
PC Operating system	Windows 2000, XP or Vista
Capture card or device Required	CHOICE OF CAPTURE CARD AFFECTS RECORDING SPEED:  PC MULTIPLEXER ULTRA cameras 1-4 PCI-X card  Note: PC must have 64 bit PCI-X slot, 66MHz minimum  and PC MULTIPLEXER ULTRA 4 way expansion module for extra 4 cameras  OR  PC MULTIPLEXER cameras 1-4 PCI card.  and PC MULTIPLEXER 4 way expansion module for extra 4 cameras
Alarm inputs	Order Alarm connector, Normally open or closed voltage free contacts.
Video Picture Compression	.AVI. User adjustable quality. Stored picture size 384 x 288
Recording Operation	Automatic or manual start Time Lapse Recording. Full logging of software events and user actions. Schedule for record times.
Playback Picture Access	Search by date, time, or alarm. Motion Search. Easy navigation of recordings using intuitive timeline feature.
Playback Print Picture	Any printer under Windows.
Playback Export Picture	Export pictures as .AVI images. Audit trail and viewing software can be copied with images.
PC Network Protocol	Windows TCP/IP network



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