

Video Vault Tower

Continuous Recording Digital Video Recorder

System Overview

The Video Vault Tower is a digital video recorder for up to 16 cameras. Video is recorded to an internal hard drive eliminating the need for VCR tapes. Unique video compression allows high resolution video to be recorded as smooth motion video and stored for much longer than other leading systems. Advanced networking features allow live remote viewing of cameras from home or office over a high speed internet connection.



trust
protect
ensure

- **Full-time 24 Hour Recording**

The Video Vault Tower records all cameras continuously whereas other leading systems will start and stop recording to extend recording time.

- **2400 to 1 Compression**

Our systems use revolutionary new dynamic video compression that provides compression of up to 2400:1 This surpasses systems using conventional compression such as AVI, JPEG, MJPEG, MPEG2, MPEG4, or WAVELET.

- **Smooth Motion Playback**

The Video Vault Tower continuously records more images per second than other leading systems providing realistic, smooth motion playback compared to the jerky, stop-action pictures of previous technologies.

- **Find Events Easily**

With the Video Vault Tower you can quickly find and review video with a click of the mouse. Video can be played back while the system is still recording.

- **Ready To Record**

The Video Vault Tower is ready to record video right out of the box without any programming.

- **Expandable**

Your investment is protected. The Video Vault Tower is field upgradeable and expandable.

- **Portable Evidence**

Each system includes a solid-state removable hard drive which fits in the palm of your hand and allows you to easily transfer hours of typical video and play it back on a desktop PC. Viewer software allows multiple speed playback including frame by frame forward and reverse. Video can even be enhanced without damaging the value of the original file as evidence.



- **Alarm Motion Detection**

Built-in video motion detection identifies after-hours movement that can quickly and easily be reviewed later. The video can even be emailed to you as events happen.

- **Advanced Networking**

Superior video compression allows video to easily be transmitted over networks using less bandwidth.

- **Watch Your Businesses From Home**

The Video Vault Tower allows you to simultaneously view multiple locations using a high speed internet connection and your home PC.

- **Watch Multiple Sites At Once**

Multiple channel networking allows viewing of cameras from up to 16 separate locations on one monitor.

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Key Features

Recording

- Records video using a unique video compression algorithm which allows high quality security video to be recorded at a high frame rate and stored for an extraordinary length of time using a minimum of hard-drive space
- The Video Vault Tower can record high resolution, high quality security video for months where other systems might only record for days
- Cameras record continuously 24 hours a day without the need to ever stop recording
- Records high resolution images (640 x 480 pixels)
- Adjustable recording frame rate
- System automatically deletes oldest video for maintenance-free operation
- Recorded video is permanently imprinted for use as evidence with:
 - Watermark
 - Site name
 - Camera name
 - Time and date of the image
 - Recording start and stop points
- Control of PTZ cameras with Pan, Tilt, Zoom, Focus, and Iris control
- Automated tours of PTZ preset positions with variable dwell time

Video Search and Playback

- Search tools to quickly find video events
- No need to stop recording, system keeps recording even during playback
- Instant replay feature allows quick playback of recent events
- Frame by frame playback (forward and reverse)
- Recorded video from all cameras can be played back simultaneously

Video Motion Detection Alarms

- Video motion detection on all cameras with adjustable schedules for each camera
- Alarm events quickly identify when someone moved through an area allowing for quick review
- Alarm events can be reviewed the next morning or they can even be emailed to your home computer

Playback Video on any PC

- Video Vault Tower systems include viewer software which allows for the playback of the proprietary compressed and secure video files on any PC
- Each Video Vault Tower includes a removable solid-state hard drive to easily transfer video clips
- Built-in video enhancement tools
- Full "VCR" control with high speed play as well as slow speed advance
- Frame by frame playback both (forward and reverse)
- Video snapshots can be saved and printed using your existing printer
- Video can be enhanced using the viewer without damaging the value of the original file as evidence
- Video can be played full screen for maximum effect
- Authenticity can be verified by watermark, site name, camera name and time and date
- Video clips can be converted from the compressed secure format to non-proprietary AVI format if required

Expandable Platform

- Each Video Vault Tower is fully expandable
- Hard drives can be added for extended storage
- Video inputs can be added to expand a 4 camera unit into a 8, 12, or 16 camera unit
- Future networking and storage devices can be added as they become available



Hardware Specifications

- Black tower case
- Up to four internal hard drives
- 400 watt power supply
- Dimensions approx. 8"W,17"H,19.5"D
- Microsoft Windows XP Operating System
- AMD XP2000 processor
- 256MB DDR RAM
- 64MB AGP video with analog output to conventional CCTV monitor
- 120GB hard drive, expandable to 480GB
- Records 4, 8, 12, or 16 cameras, four input system can be expanded to 16 with the use of additional input cards
- Can record 2, 4, 6, or 8 channels of audio
- Hardware watchdog monitors system performance and resets the system in the event of an error
- 10/100 network interface
- PS2 keyboard and optical mouse
- 64MB removable smart drive
- CD-RW
- 17" Black SVGA monitor
- 500VA UPS

Optional

- Keyboard video mouse (KVM) switch available
- KVM cables
- Card access server option

Networking and Remote Viewing

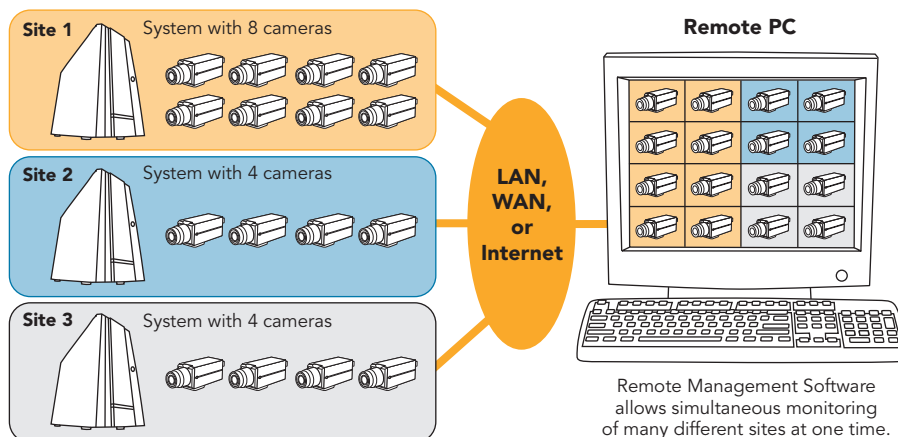
Networking and Remote Management Software

- Video Vault Tower systems include remote software for LAN, WAN, and Internet connections
- The unique video compression of the Video Vault Tower allows high quality video transmission over a network using minimum bandwidth
- Remote software provides the option to record high quality video to be recorded as it is viewed
- Motion alarm events can be viewed along with the video of the alarm event

Simultaneous Multiple Site Monitoring

- Remote software allows for the simultaneous monitoring of multiple remote sites from one PC
- PC screen can be split into 16 cameo views and each view can be of a different camera from a different site, each displaying live video
- Many different combinations of views can be programmed and then accessed quickly to change which sites and which cameras are displayed
- Recorded video can be retrieved and displayed

Multiple Site Networking



How to order/part number specification:

mnn-sssP - P = Package (includes 17" black CRT Monitor and UPS)
 sss = Storage: 120 / 240 / 360 / 480
 nn = Channels: 4 / 8 / 12 / 16
 m = Model: Tower / Wall Mount / Rack Mount

(e.g. 16 channel Rack Mount package with 360GB storage: **R16-360P**)