

## 8/16-CHANNEL DIGITAL VIDEO RECORDER



The **VAST series** is a versatile and expandable digital video recording platform, suited for the most demanding security and surveillance tasks. It offers fully programmable, high-resolution digital video recording and real-time, color multiplexing for up to sixteen channels. Video/data may be queried and reviewed from any authorized PC with web browser access. The VAST series is scalable to accommodate enterprise, multi-site digital video applications. All of the VAST series of components offer out-of-the-box compatibility with existing CCTV, telecom and data networking equipment.

Models Available:

### 820 / 1620:

- Configurable recording rate on camera by camera basis with a combined rate of 30 IPS (820 model) and 60 IPS (1620 model)
- User programmable pre-alarm and post-alarm settings retain the beginning and ending of an alarm sequence
- Network enabled video recorder operates on Windows NT 4.0 platform
- Generate database query by date, time, event and/or camera, producing thumbnail results in seconds
- Microsoft SSL authentication and encryption allows for secure data transfer
- Remote maintenance capabilities allow administrators to check diagnostics or update server software from any location
- Indoor motion detection
- Manual PTZ Control, including presets
- Redundant communication options (Dial-up and or LAN/WAN)
- Error detection notifies users of video loss
- Set user permissions on camera by camera basis
- Smart Recording Process™ allows for maximum video storage efficiency by:
  - Retaining critical video data
  - Reducing frame size and/or purging non-critical or redundant frames

### 850 / 1650 - Includes all 20 models features plus...

- Customized recording schedules
- Queries can be automatically generated based on data events
- Enhanced video motion detection automatically distinguishes between harmless natural movement and valid alarm activity when programmed in learn mode, and programmable system masking allows portions of the screen to be blocked from triggering alarm record mode
- Multiple concurrent client connections

### 880 / 1680 Enterprise Solution

Includes all 850 / 1650 model features plus...

- Dedicated server handles all database queries enterprise wide
- Administrative server monitors diagnostics to maintain system wide integrity
- User privilege manager administers and authenticates user permissions system wide

## FEATURES

### • Bandwidth Efficient Thumbnail Queries

Users will save time and money utilizing this state-of-the-art thumbnail technology. The thumbnail query option provides the capability to review hours of video in mere seconds, with minimal bandwidth utilization. IT professionals won't need to invest thousands of dollars to increase bandwidth, and users won't spend hours searching through video.

### • Smart Recording Process™\*

This unique technology allows for maximum video storage efficiency. The system can also increase the recording rate and image quality on a camera while an event is occurring to ensure the best resolution possible.

### • Network Ready

Each unit comes equipped with an Ethernet connection, providing network support for TCP/IP protocol.

### • Easy Access

All recorded video may be accessed remotely via dial-up or LAN/WAN connection.

\* Patent applied for

## BENEFITS

- Direct interface available to Pro-Watch Security Management Software Suite

- Powerful, yet simple, web-based user interface

- Flexibility to configure system to meet a broad range of security and surveillance requirements

- Wavelet video compression offers high quality digital video storage at compression ratios of up to 140:1

- Respond quickly and effectively to events with real-time event notification and instant replay video review

- Administer systems at your convenience by accessing all system functions remotely using simple, secure, web based user interface

**Specifications**

**Video**

- Analog signal format: NTSC/PAL
- Analog video input:
  - V800 Series: 8 BNC connections
  - V1600 Series: 16 BNC connections
- Recording format / CODEC: VFW CODEC
- Compression: Wavelet 16:1 to 140:1
- Recording rate:
  - V800 Series: Programmable up to 30 IPS single channel mode; up to 12.5 IPS multi-channel mode
  - V1600 Series: Programmable up to 60 IPS
- Playback Size/Resolution: Programmable 320 x 240, 640 x 480, 800 x 600, 1024 x 768
- Recording Size/Resolution: 720 x 248

**Minimum Workstation Requirements**

- 266 MHz Pentium II Processor
- 64 MB RAM
- 4 GB Hard Drive

**Environmental**

- Power: 110/220 VAC 60/50 Hz 200 VA
- Operating Temperature Range: 50° F - 93° F / 10° C - 35° C
- Humidity: 20% - 80%, non-condensing

**Dimensions**

- Desktop: 12" D x 7.5" W x 15.3" H / 4.72 cm D x 19.05cm W x 38.86 cm H
- Rack Mount: 22" D x 19" W x 3.5" H / 55.88 cm D x 48.26 cm W x 8.89 cm H

**Communications**

- RJ-45 10/100 base T Ethernet
- Dial-up: 56K

**ORDERING INFORMATION**

Order #	Description
V820	8-Channel Mid-Range Solution
V820T	8-Channel Mid-Range Solution - Tower
V850	8-Channel High-End Solution
V880	8-Channel Enterprise Solution
V1620	16-Channel Mid-Range Solution
V1650	16-Channel High-End Solution
V1680	16-Channel Enterprise Solution



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