V-Series

V-series is a scalable and flexible digital video recording system designed specifically for large-scale security applications. The V-series can hold between one to three 2nd Eyes boards in a single 19" (47.5 cm) rack mount chassis and can support from one to 384 cameras. Larger systems capable of recording many thousands of cameras can be constructed using the Enterprise solution. The new 2nd Eyes Enterprise system combines the PI Vision V-series digital recorders along side Access Stations and a new RAID Level 5 storage system to create a fully scalable networked digital video recording solution.

Recording modes

The V-series offers a wide range of recording modes, from full speed 25fps (30fps NTSC) to time-lapse, triggered or snapshot recording. A higher capture rate can be achieved simply by adding extra 2nd Eyes capture cards to the system. Unlike many digital recorders, the V-series records and replays at a very high resolution (768 pixels per line/640 NTSC), giving exemplary quality images that are equal in resolution to a new SVHS analog recorder.

Storage

V-series can use various storage technologies in order to offer a flexible and cost effective solution for the application in hand. The storage methods used are standard SCSI hard drives, RAID Level 5 (Redundant Array of Inexpensive Disks).

The V-series recorder is capable of advanced digital recording features such as:

- Synchronous replay, allowing simultaneous record, replay and archive
- Pre-event recording for alarm verification
- Independently programmable capture rate per camera
- Full screen, high-resolution color images for superior clarity and definition (768 pixels per line/640 NTSC)
- Industry standard JPEG compression for high image quality
- Authenticated images (for use in a Court of Law)
- AVI saves to various media, example CD-Rom
- LAN and WAN networking (multi-client, multi server)

PIvision

Specialist features:

Security and password protection

Combating security threats internally is just as important in a security application as external security. In order to ensure the security of the system and the images themselves PI Vision has incorporated client configuration and audit logs into the V-series recorder.

The new log in tool enables the security manager to configure the V-series recorder for each individual user. Client configuration ensures the security of the system by only allowing access to data such as "captured video" to those who have been previously authorized.

Audit logs further secure the images by logging information, such as when staff log on or off the system, the printing of images and configuration changes.

VMD

The V-series recorder has, as an option built in Video Motion Detection, enabling the user to save on storage space by initiating the recording process only when movement occurs. The cause of the alarm can then be tracked through the camera scene.

Built in Video Motion Detection also allows the user to "smart search" through recorded footage. By simply highlighting a particular area within a piece of recorded footage and typing in a time span, V-series can use the VMD tool to search that area for movement. This greatly reduces the time spent trawling through hours of recorded data, by only showing footage in which movement actually occurs.

RAID Level 5

PI Vision offers flexibility in terms of storage media, with RAID Level 5 (Redundant Array of Inexpensive Disks) being just one of the options available on all V-series recorders. RAID Level 5 technology is both a reliable and effective solution, offering instant access to recorded data, without the delay inherent in digital tape systems. High integrity storage such as RAID Level 5, can retrieve and begin replaying recorded video virtually instantaneously, this is vital when reviewing incidents in high-security sites.

For more information on the V-series digital recorder please contact our offices in the UK for Europe and inquiries outside the Americas. Alternatively, contact our Florida office for USA, South America and Canadian inquiries.