

Pixel Video Fusion™ Server



Pixel Video Fusion™ Server

The **Pixel Video Fusion™ Server** manages video acquisition, streaming, and recording. It offers digital inputs for up to 12 Pixel Video Fusion™ cameras, enabling multiple users to connect to the server for simultaneous video streaming or playback. In addition, the server provides synchronization of multiple cameras. Every frame on every camera captures images simultaneously, resulting in a significantly more useful data set.

The camera connections are controlled by Pixel's VideoCommander™ software, which allows customized levels of access. VideoCommander™ runs on a Windows platform and collaborates with many standard components, providing baseline system management features that control many aspects of the interface.

The **Pixel Video Fusion™ Server** runs on the edge of the network, minimizing bandwidth constraints. Direct attached (DAS) as well as on-board storage is used for recording. Each DAS contains 12 hot-swap drive bays, supporting up to 12 terabytes of edge storage with multiple RAID configuration options. In addition to a DAS configuration, the system is also capable of operating in a storage area network (SAN) environment. Various types of storage options (on-board,

- Multiple video stream management
- Additional storage options (12+TB, DAS, NAS, SAN)
- Multiple RAID configurations
- Rack mountable
- Multiple user access
- Standards-based architecture
- Windows® Platform

DAS, iSCSI) allow design of a system that is capable of scaling into the petabyte range.

Each server is industrial class, maximizing the Pixel Video Fusion™ system capabilities. The server comes in 1U and 5U options that are rack mountable. Remote system diagnostic tools easily provide troubleshooting information of equipment or component management.

The **Pixel Video Fusion™ Server** provides the best, configurable performance of any hardware platform on the market today.



Pixel Video Fusion™ Small form factor server

All models of the servers come with at least one 4 camera digital input card, latest Windows® server operating system, Uninterruptable Power Supply (UPS) configuration software, and VideoCommander™.

Specifications



Pixel - SVR-HP12000

Form Factor.....	HP ProLiant ML350 Tower Rack 5U (8.75"/22.25cm), 26.85" deep
Cooling	Two rotor fans
Drive Capacity.....	Six 5.25 front accessible drive mounts (DVD burner supplied)
Power.....	800 watt redundant CE Mark Compliant hot plug power supply (1000 watt high line)
System Host Board	Quad-core Intel Xeon E5430 processor with 2GB RAM and one 10/100/1000 ethernet port
Common Interfaces.....	1 serial, 6 USB, 1 graphics, 1 keyboard, 1 mouse, 2 NIC
Camera Interfaces	4 Camera system- Model #SVR-HP12000-1 8 Camera system- Model #SVR-HP12000-2 12 Camera system- Model #SVR-HP12000-3 IP Camera Interfaces available on all model codes
Additional Information	http://h18004.www1.hp.com/products/quickspecs/12475_na/12475_na.html



Pixel SVR-HP4000-1

Form Factor.....	HP ProLiant DL320 Rack 1U (1.7"/4.32cm), 26.85" deep
Cooling	Four dual rotor fans
Drive Capacity.....	Two 5.25 front accessible drive mounts (DVD burner supplied)
Power.....	Auto-sensing 400 watt PFC power supply, CE Mark Compliant
System Host Board	Dual-core Intel Pentium D processor with 1GB RAM and one 10/100/1000 ethernet port
Common Interfaces.....	1 serial, 4 USB, 1 graphics, 1 keyboard, 1 mouse, 2 NIC
Camera Interfaces	4 Camera System- Model # SVR-HP4000-1. IP Camera interface available.
Additional Information	http://h18004.www1.hp.com/products/quickspecs/12854_na/12854_na.html