EpsiServ™ Video Storage Server

Network Video Recorder and mass storage in a single system
Performance, Reliability, Scalability.

4K ULTRAHD
BUILT FOR IP VIDEO SURVEILLANCE

Tremendous pace of technological advances in IP Video Surveillance has in turn created a demand for specialized equipment that can consistently perform and meet the ever changing requirements with ease. QS3 EpsiServ Video Storage Server (VSS) has been designed to the challenges faced by customers in their IP Video Surveillance environment.

EpsiServ-VSS is based on our high-performance server platform design, that can house dual Intel Xeon processors. When this high-performance server platform is combined with the best in class RAID engine, that is specifically developed to support large video streams, the resulting synergy will provide a performance-machine that can easily beat any challenge. This power packed combination ensures the customer will never lose a frame or a single second of video footage.

EpsiServe VSS range has been certified with the top IP video management software vendors. This little beast supports more cameras per NVR and longer retention capabilities than any other competitor in its class.

EpsiServ VSS supports a huge capacity of more than 1 Petabytes per NVR when combined with other QS3 technologies.

The reliability and quality is truly enterprise class, with hot swappable PSUs, hard disk drives and cooling fans.

EpsiServ also offers higher levels of fault tolerance, with options to support remote replication and server clustering.

Supporting more than 300[1] cameras with H.264 image compression (CODEC), the EpsiServ VSS delivers one of the best 'price per camera / cost per terabyte' ratios in the industry. With the capability to retain data for periods of 90 days, or even 180 days, even with a limited budget. The EpsiServ VSS comes as standard with a Windows user interface and an easy to use GUI for quick, problem free installation and maintenance. EpsiServ VSS without doubt is the best-in-town solution for any mid to large scale Video Surveillance Environment.

[1]Varies with NVR IP video management software & camera resolution

sales@qs-3.com

New Rochelle, New York, 10801.

Engineered for performance

- EpsiServ VSS is a combination of a high-performance server motherboard with a Video Optimized RAID controller. This combination packs enough power to meet any demanding Video Surveillance environment.

- The Video Optimized RAID controller is a unique hardware that transforms EpsiServ VSS into a NVR which provides sustained through put in a 24x7x365 operation with zero-frame loss.

- EpsiServ VSS is based on the Intel Xeon 64bit platform, with support for the latest E5-2600 Intel multi-core processors.

Flexible design

- EpsiServ VSS can be customized to meet any Video Surveillance requirement.

- EpsiServ VSS includes 6 x PCIe 3.0 expansion slots. The expansion slots can be used to install additional Network adaptors, or Fibre Channel HBAs for connectivity to SAN (Storage Area Networks)

- Any component CPU, System Memory, Network connections and the operating environment can be customized along with the storage capacity.

Standard Technical Specifications

CPU	Up to 2 x Intel® Xeon® E5-2600 v3 and v4
Memory	8GB upgradable to 2048GB
Drives supported	SSD, SAS and SATA
RAID Levels	0, 1, 3, 5, 6, 10, 50 and 60
Network Interface	2 x 10GbE, RJ-45 ports
Other I/O ports	1 x VGA port, 1 x Serial port
System Management	• IPMI 2.0 • KVM over IP • Media redirection • Temperature, fan, voltage, PSU sensor monitor • System ID / System fail indicator • Remote power on/off/reset • SEL message alarm through mail • SNMP support • Intel NM
Agency approvals	CE, RoHS compliant
Environmental limits	Operating temp range: 0°C to 35°C, humidity range: 5% - 95%, altitude: 0ft to 10000ft

Model Specifications

EpsiServ-VSS	4102	12202	16302	42401	36402
Drive bays built in	4	12	16	24	36
Dimension in mm (W x D x H)	483 x 788 x 45	483 x 645 x 88	483 x 645 x 132	483 x 645 x 176	483 x 679 x 173.5
Power	650 w (1+1)	800 w (1+1)	800 w (1+1)	1200 w (1+1)	1200 w (1+1)
Gross Weight (without hard disks)	24 kgs	32 kgs	32 kgs	35 kgs	40.4 kgs
19" Rack mount units	1u	2u	3u	4u	4u

* All specifications are subject to change without notice.

Company Profile

The company was established with the objective of providing technologies aimed at solving customer challenges, yet at affordable prices. Technological innovation is our core strength drawn from the immense engineering expertise of the founders of the company. A truly global company, with principal office in the USA and associate offices in India and Taiwan, we proudly bear the pioneering American spirit of enterprise in providing our products and solutions to the world. EpsiServe is one-of-the-kind product designed to meet the challenges of video ingestion and preferred by customers in the Media-Entertainment and Video Surveillance industries. Our product offering include PetaStor (Video Optimized Storage), MegaServ for Big Data Analysis and for Hyper-Converged Infrastructure. We have also recently launched our all-flash storage. Innovation continues….