

SeaChange® MediaServer HDS 601

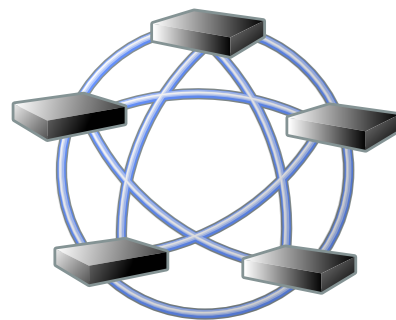
The SeaChange MediaServer HDS Series represents SeaChange's focus on bringing greater economy to on-demand television applications. It brings unprecedented economies and network flexibility to network operators, with superior reliability. This video server is designed for deployment as a stand alone server or as part of MediaCluster® configurations, with several MediaServer HDS units forming a single virtual server providing fault-resilience with SeaChange's patented RAID2® advantages.

The SeaChange MediaServer HDS 601 – based on industry standard technologies – is a leap forward in economically delivering a greater number of simultaneous video streams and video assets in a 6RU rack system. With up to eight MediaServer HDS units per cluster, operators can reliably offer more than 19,000 hours of VOD programming to thousands of subscribers from a single cluster.

The flexibility of the MediaServer HDS is marked by its ability to provide a range of output types – including Gigabit Ethernet for IP transport of MPEG, On2, Windows® Media and many other advanced compression formats. The MediaServer HDS provides guaranteed delivery of video output to meet the challenges of television operations and their demanding subscribers.

The unsurpassed capacity and modular scalability of SeaChange's VOD System is derived from its patented MediaCluster technology, working in tandem with the SeaChange® Axiom® Command Center software or several standards-based VOD back office software packages. Our MediaCluster technology permits the addition of servers to a rack and the addition of racks to a system. MediaCluster enables a single copy of video to be accessible to every output in the cluster – movie, commercial, TV program – to support thousands of simultaneous viewers, thereby significantly reducing the stream cost for a large video library with maximum reliability.

MediaServer HDS includes best-of-breed technology components, including off-the-shelf disk drives, Windows Server 2003 operating software, high performance processors, switched PCI buses and a range of standard network interfaces optimized for video.



Product Specifications

MEDIASERVER HDS

- SeaChange® Virtual Stream System Software
- Dynamic Bandwidth Manager
- SeaView server monitoring & management software
- SeaChange Service Disk Software for system snapshots, rebuild and status
- 6RU chassis (10.5" H x 19" W x 26" D)
- 110/220v or -48v power supply options
- 3.2 GHz Intel® Xeon NLT-S CPU
- 2GB system memory DRAM
- 40GB IDE Service Disk
- PCI Express main board
- Microsoft® Windows® Server 2003 Standard Edition

SOFTWARE

Supports SeaChange® Axiom™ v3.1 SP2 or later

I/O CONFIGURATIONS

- 4 Intelligent Gigabit Ethernet Transport edge cards
- IPV4 or IPV6 addressing
- ARP, ping and IPV6 neighbor discovery (RFC 2461)
- Electrical or Optical (MMF) outputs - LC connector
- 10/100/1000 Base-T interface for management
- 10/100/1000 Base-T interface for content loading
- 56k modem

BANDWIDTH

- Up to 3.2Gbps output via 4 GigE ports (can be field configured for 4 x 800Mbps, or 3 x 915Mbps and 1 x 450Mbps)
- Up to 30Mbps input per node at full playout
- Up to 852 standard definition VOD streams @3.75Mbps
- Up to 25.6Gbps per 8 server MediaCluster
- Bit rates supported from 1.0-19.4Mbps (HD-capable)

STORAGE

- Up to 41.7TB of usable storage per 8 server MediaCluster
- Durable SeaChange RAID² MediaCluster technology
- Two Ultra SCSI RAID controllers with 64MB onboard cache
- Twenty-four 146GB or 300GB SCSI drives (10K RPM)
- Hot Swappable Disk Drives

ENVIRONMENTALS

Dimensions:

- 10.5"H x 19"W x 26"D

Weight:

- 120 lbs

Power:

- 115/220V AC at 50/60 Hz, autoranging from 100-240 VAC
- (2) 1000 W redundant power supplies (for DC system built after Q3 2007 and AC system built after Q4 2007)
- 6.0 A typical / 8.2 A power on (One 20A circuit per server)

Thermal Dissipation:

- 2400 BTU/hr

Operating Environment:

- Operating temperature 10° - 30° C
- Humidity 20% to 80% non-condensing
- Max altitude 2000 meters

SAFETY & EMISSIONS

- U/L EN60950:1992 and CSA 60950
- FCC Part 15
- EN55022:1994 +A1:1995,+A2:1997 VCCI
- AS/NZS 3548

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