



ClipStor™

Application Aware Network-Attached Storage Servers



ClipStor/NAS offers 32TB of RAID network-attached storage, expandable to 96TB of on/near-line archival storage capacity. The **ClipStor/NAS** Windows 2008R2 Server or RedHat Linux-based storage server quickly transfers data via dual GigE or Fibre-channel port interfaces to SATA-II RAID storage arrays.

Cost Effective, Seamless Integration

ClipStor/NAS is an integrated solution enabling cost-effective Broadcast data and content delivery, storage and management. Ideal for both file-based information and unstructured audio, video, images and reference data, **ClipStor** provides the necessary throughput and data concurrency to ensure both business and data continuity for Automation, On-Air, NLE and Post-production environments. Designed for enterprise-class environments where reliability is paramount, **ClipStor's** high-availability architecture provides full redundancy across all active integral components, while offering wire-speed performance with dual connectivity capabilities.

Based on a high-performance Quad-core Intel Xeon-based architecture, **ClipStor** is a scalable network storage appliance utilizing state of the art technology to seamlessly manage the entire CUC external Blu-ray, NAS, RAID, SAN, Tape and UDO storage product line. **ClipStor** provides network attachment capabilities to a wide range of automation, on-air and NLE host and client systems using multiple network access protocols, NAS file systems (CIFS, NFS) and block I/O protocols including iSCSI and FCP.

Offering web-based, local/remote GUI and command-line interface management capabilities, **ClipStor** simplifies archival data management with transparent application integration and user access from within any departmental LAN or authorized external WAN location. Coupled with S.M.A.R.T., SMTP and SNMP environmental status notification capabilities, **ClipStor/NAS** is an ideal choice for all your data and content storage requirements.

ClipStor/NAS connects to your existing network via pervasive Gigabit Ethernet. **ClipStor's** internal RAID provides a resource for data archives to quickly move or migrate data to/from the **ClipStor** archive. **ClipStor's** Archive management API integration with Linux, OS/X and Windows servers and workstations, ensures seamless automated, unattended data migration.

ClipStor enables scalable, incremental storage capacity with significant savings. A **ClipStor-16** 3U server provides up to 32TB of RAID storage, while the **ClipStor-24** 5U server offers up to 48TB, both expandable to meet near and long term data storage requirements. Coupled with low initial capital outlay and low incremental maintenance costs, **ClipStor** is an ideal choice for both Broadcast and IT data storage requirements. **ClipStor's** enterprise-class architecture was built for round-the-clock/24x7 operation. Redundant hot-swappable power supply's, redundant hot-swappable cooling fans, dual Intel Quad-core XEON cpu's, ECC memory, internally switched RAID controllers make **ClipStor** an ideal choice for both stand-alone and clustered network storage requirements.

ClipStor's standards-based components, rack-mountable chassis and Microsoft Windows 2008R2 or RedHat Linux operating systems, ensure quick and seamless integration into any existing network infrastructure.

Coupled with optional data storage management software, **ClipStor** provides both application and automation aware storage and retrieval capabilities unrivaled by comparably priced data storage solutions. Call CUC today for additional **ClipStor/NAS** options.



ClipStor™



Specifications

BROADCAST AUTOMATION-AWARE NAS SERVER



Component Information

Type MotherBoard	Network-Attached Storage Extended ATX, Intel 5000PChipset 64-bit Dual Quad-Core Xeon CPU's 1333MHz FSB Onboard 8-Port SAS/RAID 0,1,10 Onboard 6-Port SATA RAID 0,1,5,10 Zero-Channel RAID Intel Dual-Port GigaBit Ethernet ATI Graphics w/16MB Memory
Memory	Up to 32GB DDR2 FBD ECC 667
Operating System	Linux or Microsoft Windows 2008R2 Server (Standard or Enterprise)
RAID Controller	64-Bit, PCI-Express, HW switched
System Disk	Mirrored 250GB SATA-2
RAID Disk	Up to (16) 2TB SATA-2 drives (3U), Up to (24) 2TB SATA-2 drives (5U)

ClipStor/NAS Enclosure

Dimensions	19"W x 5.2"H x 28"L (3U) 19"W x 8.7"H x 28"L (5U)
Redundancy	Hot-swap power supplies/fans/ Disk drives
Power	2+1 Hot-swap, 650W (3U), 930W (5U)
Power Requirement	90VAC / 264VAC, 47-63HZ
Input Current	9.0/5.0 A for 115/230 VAC
In-rush Current	80A/100A Max for 115/230 VAC/ea.
Ventilation	Dual Hot-swap 12cm Fans, Optional Rear Exhaust Fans

RAID Controller

Architecture	Point-to-Point, non-blocking, Hardware switched
Performance	800MB/s Read / 600MB/s Write Max 256MB DDR memory
Specifications	PCI-Express, 8 Lanes, 64-Bit, PCI 1.1/SATA 2.6
Drive Connection	SFF-8470 Multi-Lane
RAID Levels	RAID 0,1,5,6,10,50, Single Disk, JBOD
RoHS Compliant	Yes

Environmental

Temperature	0° to 40° Centigrade
Humidity	20 to 95% Relative Humidity
Emissions/Immunity	FCC Class A CISPR22 Class A
EMI Noise	FCC Class B CISR22 Class B
Safety	UL 1950:1995 R6.98 CSA 22.2 NO/950 TUV IEC 950
MTBF	67792 hours continuous at 40°C



Windows Server 2008



CISPR 22

