Digital Intermediate Solutions for Post-Production

Globalstor®
data corporation

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Address: 9960 Canoga Ave., Suite D9, Chatsworth, CA 91311 **Tel:** (818) 701-7771 **Fax:** (818) 701-7756

ExtremeStor-DI

The demand for Digital Intermediate solutions has taken a turn to the extreme in the digital film and video marketplace. Digital Intermediate skyrocketed and quickly transitioned as the new industry standard for most applications. Globalstor has worked hard to develop it's next generation line of Digital Intermediate capture and playback servers. We listened to what our customers had to say and instilled many of your ideas into our latest line of DI's. By doing so, Globalstor once again achieved success with it's next generation flagship ExtremeStor-DI. It's faster than ever before!

Now post-production facilities, independent editors, colorists and cinematographers can reap the rewards of the DI's best of breed architecture for high definition 2K capture, playback and color correction. The ExtremeStor-DI is certified to work with the industry's leading providers of feature rich, high performance graphics, capture, and playback cards as well as the best open platform color grading technologies the industry has to offer. Base models start at 2.5TB's and can scale up to 72TB's in a single 6U rack mount. By utilizing the benefits of SATA II disk drives, users can expect their cost per gigabyte to be well within their budget, making the next generation of ExtremeStor series video servers your most attractive ROI in your digital intermediate workflow.

DI Features

Extreme Performance
The ExtremeStor-DI integrates a choice of single or dual Core i7™ processors for maximized computing power. With PCI Express x16 video bus support, the ExtremeStor-DI delivers up to 1600MBps of sustained data throughput in RAID 5.

Extreme Reliability
The ExtremeStor-DI integrates the Windows 7™ Pro open platform operating system on RAID protected boot disk drives. Combine that with hot-swappable enterprise class disk drives, power supplies, and blowers and you get a well-equipped solution guaranteed to safeguard against downtime and critical data loss.

Extreme Scalability
The ExtremeStor-DI can hold up to 72TB's of RAW storage and has the ability to scale as you grow for applications requiring even greater storage capacity by implementing your choice of either SCSI, FC or SAS host bus adapters for external add-on RAID arrays. ExtremeStor-DI workstations feature 10 card slots for unpresidentd scalability.

Extreme Sensibility
The ExtremeStor-DI comes with a cost of .001 tenths of a cent per megabyte making it one of the lowest cost per Gigabyte solutions available in the industry today. By providing virtually unlimited scalability options, the ExtremeStor-DI allows Digital
Intermediate facilities the ability to manage and process growing amounts of content more efficiently by expanding to meet any storage requirement as needed without sacrificing performance.

Extreme Simplicity
The Extremestor-DI is a versatile solution that can be deployed in minutes. With on-board Firewire connectivity, dropping in content has never been easier.

Model	12 Bay (SSD)	24 Bay (SSD)	10 Bay	24 Bay	32 Bay	36 Bay
Dimensions and Weight	Unit weight: 60lbs. (27.2kg) **populated with 10 drives** Shipping weight: 70lbs. (31.8kg) **carton packaging** Shipping weight: 140lbs. (63.5kg) **custom transport case** Unit Height: 7" (4U) (177.8mm) Unit Width: 17" (431.8mm) Unit Depth: 25" (635mm)	Unit weight: 140lbs. (63.5kg) **populated with 24 disk drives** Shipping weight: 170lbs. (77kg) **carton packaging** Shipping weight: 240lbs. (109kg) **custom transport case** Unit Height: 8-3/4" (5U) (222mm) Unit Width: 17.5" (445mm) Unit Depth: 25.6" (650mm)	Unit weight: 60lbs. (27.2kg) **populated with 10 drives** Shipping weight: 70lbs. (31.8kg) **carton packaging** Shipping weight: 140lbs. (63.5kg) **custom transport case** Unit Height: 7" (4U) (177.8mm) Unit Width: 17" (431.8mm) Unit Depth: 25" (635mm)	Unit weight: 140lbs. (63.5kg) **populated with 24 disk drives** Shipping weight: 170lbs. (77kg) **carton packaging** Shipping weight: 240lbs. (109kg) **custom transport case** Unit Height: 8-3/4" (5U) (222mm) Unit Width: 17.5" (445mm) Unit Depth: 25.6" (650mm)	Unit weight: 155lbs. (70.3kg) **populated with 32 disk drives** Shipping weight: 190lbs. (86kg) **carton packaging** Shipping weight: 260lbs. (117kg) **custom transport case** Unit Height: 10.5" (6U) (267mm) Unit Width: 17.5" (483mm) Unit Depth: 26.2" (665mm)	Unit weight: 160lbs. (72.5kg) **populated with 36 disk drives** Shipping weight: 195lbs. (88kg) **carton packaging** Shipping weight: 265lbs. (120kg) **custom transport case** Unit Height: 10.5" (6U) (267mm) Unit Width: 17.5" (483mm) Unit Depth: 26.2" (665mm)
	Stereo 2K Certified	Stereo 4K Certified		Stereo 2K Certified		
Performance	1,800MBps sustained writes and up to 2,000MBps sustained read in RAID 5	1,800MBps sustained writes and up to 2,000MBps sustained read in RAID 5	750MBps sustained writes and up to1600MBps sustained read in RAID 5	750MBps sustained writes and up to1600MBps sustained read in RAID 5		
Options	SCSI / FC / SAS ready connectivity 1000 BASE-SX Gigabit fiber optic Ethernet out the back Up to 16GB Registered ECC DDR SDI graphics cards for capture and playback in real-time Custom transport case	SCSI / FC / SAS ready connectivity 1000 BASE-SX Gigabit fiber optic Ethernet out the back Up to 16GB Registered ECC DDR SDI graphics cards for capture and playback in real-time Custom transport case	SCSI / FC / SAS ready connectivity 1000 BASE-SX Gigabit fiber optic Ethernet out the back Up to 16GB Registered ECC DDR SDI graphics cards for capture and playback in real-time Custom transport case SSD Hard Drives			
Environmental Control	L.E.D. and Audio alarm for internal temperature monitoring L.E.D. and Audio alarm for individual blower monitoring		L.E.D. and Audio alarm for internal temperature monitoring L.E.D. and Audio alarm for individual blower monitoring			
Power	Power supply: (1) 1000 Watt PFC 80 PLUS® power supply unit Input range: auto-sensing 100 to 240 VAC Power source: (1) standard AC power cords	Power supply: (3) 550 Watt PFC power supply units Power supply rating: up to 1,100 Watts load balanced in redundant state Input range: auto-sensing 90 to 264 VAC Power source: 3 standard AC power cords	Power supply: (1) 1000 Watt PFC 80 PLUS® power supply unit Input range: auto-sensing 100 to 240 VAC Power source: (1) standard AC power cords	Power supply: (3) 550 Watt PFC power supply units Power supply rating: up to 1,100 Watts load balanced in redundant state Input range: auto-sensing 90 to 264 VAC Power source: 3 standard AC power cords	Power supply: (4) 550 Watt PFC power supply units Power supply rating: up to 1,650 Watts load balanced in redundant state Input range: auto-sensing 90 to 264 VAC Power source: 4 standard AC power cords	Power supply: (4) 550 Watt PFC power supply units Power supply rating: up to 1,650 Watts load balanced in redundant state Input range: auto-sensing 90 to 264 VAC Power source: 4 standard AC power cords
Cooling	Front of unit: (3) 120mm X 120mm X 38mm fans Temperature: 0°C (32°F) – 50°C (122°F) Humidity: 5% - 95% non-condensing Advanced thermal design supports faster running SSD disk	Front of unit: (4) Hot-swap 120mm X 120mm X 38mm blowers Rear of unit: (2) Fixed mount 40mm X 40mm X 28mm blowers Ventilation: 120CFM (zero static pressure) Temperature: 0°C (32°F) – 50°C (122°F) Humidity: 5% - 95% non-condensing Advanced thermal design supports faster running SSD Disk	Front of unit: (4) Hot-swap 120mm X 120mm X 38mm blowers Rear of unit: (2) Fixed mount 40mm X 40mm X 28mm blowers Ventilation: 120CFM (zero static pressure) Temperature: 0°C (32°F) – 50°C (122°F) Humidity: 5% - 95% non-condensing Advanced thermal design supports faster running 7200 / 10000 / 15000 rpm disk	Front of unit: (4) Hot-swap 120mm X 120mm X 38mm blowers Rear of unit: (2) Fixed mount 40mm X 40mm X 28mm blowers Ventilation: 120CFM (zero static pressure) Temperature: 0°C (32°F) – 50°C (122°F) Humidity: 5% - 95% non-condensing Advanced thermal design supports faster running 7200 / 10000 / 15000 rpm disk		
Base System Hardware	Embedded Audio Embedded (2) IEEE 1394a ports Embedded SATA RAID controller Embedded (2) e-SATA ports (3.0 Gbps) Intel quad core i7 processors Copper gigabit-e network port (upgradable) PCI-E High end graphics video board (upgradable) 4GB registered ECC cache memory on board (upgradable) 192 kHz Multichannel AES/EBU PCI-E Interface (upgradable)					
Base System Hardware	Embedded SATA RAID controllers 4GB registered ECC cache memory on board (upgradable) Dual Intel XEON™ or AMD Opteron Quad Core processors PCI-E High end graphics video board (upgradable) Dual copper Gigabit E network ports (upgradable)					

"The ExtremeStor-DI is the ideal solution for Red Digital Cinema CPU intensive content and storage!"

The demand for Red Digital Cinema content is here! More than ever, professional post-production facilities, independent editors, colorists, and cinematographers are requiring solutions capable of playing back 4K Red Digital Cinema content in real-time at high resolution. Don't get left behind. If it's not in your budget to deploy a state-of-the-art digital intermediate workstation, then you need to check out the ExtremeStor-DI by Globalstor Data Corporation.

"Playback 4K Red Digital Cinema content in real-time at high resolution."

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