

# iSCSI and Fiber RAID Storage Solution



## Features That Make a Difference:

- Industry leading performance and reliability at an exceptional price
- Supports daisy-chaining up to six Expansion shelves for a scalable storage solution
- Scalable to 112 hard drives offering 672TB of total storage
- Configurable for multiple RAID levels for robust fault tolerance
- Redundant design with hot swappable components for increased reliability
- Features quad iSCSI 1Gb/s ports and dual 8Gb/s fiber ports
- Intuitive web based GUI for ease in administration
- Optimized for video surveillance applications; SAN and Archiving

## Ideal for Video Surveillance Storage Applications

The American Dynamics iSCSI and Fiber RAID Storage solutions are designed for high-performance video recording devices such as American Dynamics VideoEdge network video recorders (NVR) targeted for video surveillance applications. They are secure and highly scalable storage applications that provide SAN storage for virtually any network and application.

## Configurable for Each Unique Application

The rackmount design supports a variety of configurations and capacities. Factory configured to support RAID5 storage arrays the intuitive web based GUI allows the user to reconfigure the storage array to any desired format. The 1GBs iSCSI interfaces and 8Gbps fiber interfaces have been uniquely designed to utilize the same 3U chassis. The chassis come standard with redundant power supplies and fans as well as with the ability to support sixteen lockable, hot-swappable drives. A battery backup module comes standard to provide additional redundancy and improved reliability. For a scalable solution, users have the ability to daisy-chain up to six expansion shelves to support up to 672 TB of raw storage.

## Simplified Management & Support

Simplicity and ease of use are absolutely critical for users with limited budgets and IT resources. The AD storage GUI browser-based interface enables remote assignment and management of network settings, iSCSI and fiber parameters as well as RAID volumes.

## Configurations

The factory default configurations for the 18TB, 36TB, and 48TB are a single RAID5 RAID array. The 90TB unit is configured with two RAID5 arrays for improved reliability and performance. Users can reconfigure these preconfigured solutions via the GUI web browser.

Recorders	iSCSI RAID	Fiber RAID	Expansion Unit
Form Factor	3U 19" Rackmount	3U 1 9" Rackmount	3U 1 9" Rackmount
Drive Quantity, Capacity & Type	(16)3.5" 6TB NLSAS	(16)3.5" 6TB NLSAS	(16)3.5" 6TB NLSAS
Total Disk Groups & Virtual Disks	6TB NLSAS	6TB NLSAS	6TB NLSAS
Processors	MIPS 6-Core 1.1GHz	MIPS 6-Core 1.1GHz	N/A
Memory	16GB	16GB	N/A
RAID Levels Supported	0,1,0+1, 3, 5, 6, 10, 30, 50, 60, JBOD, Chassis Hot Spare	0,1,0+1,3,5,6,10,30,50,60, JBOD, Chassis Hot Spare	0,1,0+1,3,5,6,10,30,50,60, JBOD, Chassis Hot Spare
Drives per Enclosure	16 Drives	16 Drives	16 Drives
S.M.A.R.T	Supported	Supported	N/A
Auto Disk Spin Down	Supported	Supported	N/A
External Interfaces (Rear)	(4) 1 GbE iSCSI (Data) (1) 1GBE (Management) (1) SAS (Out-Expansion) (1) Console Port (1) USB	(2) 8Gb Fibre Channel (Data) (4) 1 GbE iSCSI (Data) (1) 1GBE (Management) (1) SAS (Out-Expansion) (1) Console Port (1) USB	(2) 6Gb SAS-wide (x4) port over SFF-8088 (1) Console port
Maximum Expansion Capacity	672 TB (RAW) - 112 HDD	672 TB (RAW) - 112 HDD	N/A
Hot Swappable & Lockable	Hard Drives	Hard Drives	Hard Drives
Hot Swappable & Redundant	Power Supplies	Power Supplies	Power Supplies
Power Supply	2+1 250W	2+1 250W	2+1 250W
Battery Backup Module	Included	Included	Included
Dimensions (W x H x D)	447 x 507 x 131 mm (17.6 x 20 x 5.1 in)	447 x 507 x 131 mm (17.6 x 20 x 5.1 in)	447 x 507 x 131 mm (17.6 x 20 x 5.1 in)
Weight (with Maximum Drives)	31.3 kg (69 lbs)	31.3 kg (69 lbs)	31.3 kg (69 lbs)
Voltage	100-240 VAC, 50-60 Hz, 4-2A	100-240 VAC, 50-60 Hz, 4-2A	100-240 VAC, 50-60 Hz, 4-2A
BTU	2,400 BTU	2,400 BTU	2,400 BTU
Operating Temperature	5° - 40°C/ 41° - 104°F 10 to 80% non-condensing	5° - 40°C/ 41° - 104°F 10 to 80% non-condensing	5° - 40°C/ 41° - 104°F 10 to 80% non-condensing
Storage Temperature	-40° - 60°C/ -40° - 140°F 10 to 80% non-condensing	-40° - 60°C/ -40° - 140°F 10 to 80% non-condensing	-40° - 60°C/ -40° - 140°F 10 to 80% non-condensing
Agency Approvals	FCC, CE, UL, cUL, WEEE	FCC, CE, UL, cUL, WEEE	FCC, CE, UL, cUL, WEEE

## Ordering Information

Model Numbers	Description				
	Brand	Family	Type	Configuration	Total (Usable) Storage
iSCSI RAID Storage	AD	I iSCSI	RS RAID Storage	R5 RAID5	<b>Usable</b> 90TB 48TB 36TB 18TB
Fiber RAID Storage	AD	F Fiber	RS RAID Storage	R5 RAID5	<b>Usable</b> 90TB 48TB 36TB 18TB
Expansion Storage	AD	E Expansion	RS RAID Storage	R5 RAID5	<b>Usable</b> 90TB 48TB 36TB 18TB

## Related Products



victor Unified Client



Illustra



VideoEdge

## Approvals



[www.americandynamics.net](http://www.americandynamics.net)