American Dynamics™
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APAC Storage ADIRSCNR Series

KDI V3.3.1481

Release Notes

Description

The ADIRSCNR Series configuration provides three Gigabit Ethernet interfaces in each controller for a total of six GE ports for a dual-controller system. From this release, ADIRSCNR supports SATA disk.

Integrated Requirement

Storage Array

Software	KDI version	3.3.1481-20140319
	Head version	4.E
Hardware	Chassis model	ADIRSCNRXXL8R5
	Storage Controller CPU info	Intel(R) Core(TM)2 Duo CPU E8400 @ 3.00GHz

NVR

Software version	VideoEdge v**4.5.0.698 r25599**
	victor v4.5

Hardware Model	DELL R710
	DELL R720
RAM	>= 8G

Table for Maximum Limits

Item	Limit
Maximum capacity of all VD's	SATA: 144TB
Maximum number of Drives	72
Maximum Size of a Disk	SATA: 2TB
Maximum number of characters in a Storage System name	16
Maximum number of characters in an iSCSI Target name	223
Minimum length of iSCSI Chap Secret	12
Maximum length of iSCSI Chap Secret	127
Maximum number of characters in Host names	127
Maximum number of VD presentations supported	512
Maximum number of active iSCSI sessions	256
Maximum number of Telnet connections	4
Maximum number of GUI connections	4
Maximum number of characters in a DG name	55
Maximum number of characters in a VD name	55
Maximum number of Disk Groups	16
Maximum number VDs per DG	256

Total number of VDs (in both active DGs and inactive DGs)	256
Maximum DG Size	SATA: 144TB
Maximum VD Size	SATA: 144TB
Maximum number of drives in DG	72
Maximum number of Expanders (100e) supported	5
Number of NIC ports on each controller	3

What's New for This Version

- ## Build 3.3.1481-20140319

#	New Features	Summary
1	Reduce the fault tolerance value to reduce the recovery time and make issue disk become wrong disk more quickly	500 wrong sector to 32 wrong sector

Fixed bug

#	Description
1	If one disk has some wrong sector, the recovery time is too long and make the performance worse and the video stream loss

Limitation and Known Issue

#	Description
1	When the disk array cannot be connected or disconnected unsafely, NVR RAM will be exhausted
2	VD will happen abnormal switch sometimes, but no video loss occurs
3	Data culling sometimes cause the stream fluctuate in short time, but no video loss

Reference Configuration Equipment

#	Description
1	Dell R710+Raid5+ ADARHD2000RCN+NVR4.5
2	Dell R720+Raid5+ ADARHD2000RCN+NVR4.5

Note:

RAID6 is not verified with the KDI (Build 3.3.1481-20140319),but verified with the KDI(Build:3.3.1403-20130515)