How to expand to JBODs for NVR5316

Application Note

Version <1.0>



[Pre-Procedure]

- NVR5316's firmware version must be **3.2.0.A02 or later version**.
- NVR5316 supports up to **2 x 16 bays** or **3 x 12 bays JBOD expansion**.
- The capacity of one single RAID is **64TB**.

[Notice]

- For each storage device (NVR5316 local storage and expanded JBOD), users are able to create multiple RAIDs but cannot create just one RAID for different storage devices. For example, it's not possible to simultaneously create one RAID for JBOD1 and NVR5316's local storage or create one RAID for JBOD1 and JBOD2 at the same time.
- Please start to create the RAID by following sequence: NVR5316 → JBOD1 → JBOD2 → JBOD3



[Expand to JBOD for NVR5316]

1. Setup JBOD ID

 All JBOD ID shall be switched to the correct position. Please turn the JBOD ID to 1 for 1st JBOD, JBOD ID to 2 for 2nd JBOD, and JBOD ID 3 for 3rd JBOD.



2. SAS port Connection

Connect NVR5316 and JBODs as below: NVR5000 CH1→JBOD1's IN Port JBOD1's OUT Port→ JBOD2's IN Port JBOD2's OUT Port→ JBOD3's IN Port



3. Create RAID in JBOD1

- Insert HDDs to JBOD1.
- Press "Setting" → "Record" → "Storage".



Press "Setting".

d(4.43%) 8	1.94(GB),total 18	48.09(GB)					
Disk Type	Logical Drive	RAID Level	Drive Size(GB)	Available Size(GB)	Online	Data Type	Enable/Disable
RAID	E	RAID 5	1848.09	1766.15	Yes	LOG, VIDEO	Enable
					Into	rmation E	Sdit Del

 Select the "RAID Level" and press "Create Logical Drive". (In this case, we create RAID5).

	Advanced Settings	j.
General IP Stora	je NAS	
- Raid		
Free Space	5723184MB	
RAID Level	5	
-		Orante Logical Drive
- Check Storage		Create Logical Drive
-Check Storage SAS/ISCSI/HBA, ru avold NVR Server r	ntime unplug again brain, through chei estart, (description)	ck storage resumed, to
-Check Storage SAS/ISCSI/HBA, ru avold NVR Server I	ntime unplug again brain, through cher estart, (description)	ck storage resumed, to

■ System will show below information and please press "Continue".



Press "Check" when it's finished.

		Advanced Se	ttings
General	IP Storage	NAS	
Free Sp	ace	OMB	
RAID Level			•
			Create Logical Drive
Chock S	Storage		
SAS/ISC avoid N	CSI/HBA, runtim VR Server resta	e unplug again brain, th rt, (description)	rough check storage resumed, to

After finishing the RAID building, please close the tab and the Storage Manager will show a new RAID.



※ If you need to expand to more JBODs, please follow the same procedure as above.