

How to Replace 2.5" OS HDD for NVR7316 and Restore to Factory Default

**Application Notes** 

Version <1.0>



### Preface

This application note can instruct user to restore your NVR7316 system to factory default step by replacing the 2.5" OS HDD.

#### Caution

**Restore to Factory default will clean all configuration and delete ALL video DATA.** Please make sure you have already backed up the required data.

#### Scope

Product model	Firmware version
NVR7316	Full version

There are 4 steps in total, you can find each step in the following pages.

- Step 1. Replace the 2.5" OS HDD
- Step 2. Power on NVR7316, and destroy RAID
- Step 3. Create RAID by EonOneLite
- Step 4. Active the license

## Step 1. Replace the 2.5" OS HDD

- 1. Power off the NVR7316.
- Pull the controller out and replace the new 2.5" OS HDD.
  The location of the controller shown as below.



The location of 2.5" HDD shown as below.



3. Install the controller back

# Step 2. Power on NVR7316, and destroy RAID

- 1. Make sure there is NO other USB devices inserted with the NVR7316 (except the USB keyboard and USB mouse).
- 2. Power on the NVR7316.
- 3. You can see NVR7316 UI show on your screen.

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Live View Playback				
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😰 속다) 호 Presel y Auto Parto i	Drag Samus Nove	Drag Genera New	Ding Searce New	Ding Genera Nera
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4. Press "Setup" → "Record" → "EonOneLite".

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						1
NVR7316	VMS	Setup		×	Drag C	amera Here
Camera	Schedule	Storage	Pre/Post Recording			
External	Individual Schedule					
LIII VI						
O Record						
Aarm						
					Drag C	amera Here
Metwork						
System						
X Maintenarice						
					Drag C	imera Here
			Clos	•		

5. A tip window will appear. Press "Continue".



6. Log in EonOneLite. The username and password are : admin / admin.



7. Select "Action" and delete your old RAID.

		EoriOne Lite - Mozilla Firefox			-01
encine Lite  x	13hd3wp6i642n#/mainview/action/storage		• C 🚺• Googi		< + + =
OInfortrend		Overview Event Log Action			* 0
Storage	Storage Add a new volume or remove	The existing snets).			
	Volume Name 🝙	Status +	MiD Level +	Capacity +	
	Vol-2	The volume has been mounted.	RAID 5	5.44 TB	•
Firefox automatically sends some data to Moz	tilla so that we can improve your experience.				Choose What I Share *

8. Press "OK" and wait for a while.



9. After finished, it will show the message as below. Press "OK".



10.Select "Overview" and press "Device Details".



11.Press "Drives" and the icon marked below to reserve the HDD.

System (	Status Drives						
lot 🕶	Model -	Size 🕶	Status 👻	Speed -	Revision Number 🕶	j800 <del>v</del>	
Q.	ATA Hitachi HUA72302 (SATA)	1.81 TB	Sermat	600MB	ASCO		4
	ATA Hitachi HDS72202 (SATA)	1.81 TB	S Format	300MB	AJMA		*
	ATA Hitachi HUA72302 (SATA)	1.81 TB	📀 Format	600MB	ASCO		*
	ATA Hitachi HUA72302 (SATA)	1.81 TB	Sermat	600MB	ASCO		*
i.		0 Byte	😢 Absent				
i.		0 Byte	C Absent				
r.		0 Byte	O Absent				
		0 Byte	O Absent				
6		0 Byte	O Absent				
			A				

12.Press "OK" and wait for a while.



13. After the HDD is reserved, you can see the status shown as "New".

	Model 🕶		Status 👻	Speed 🔻	Revision Number 🕶	јвор 👻
	ATA Hitachi HUA72302 (SATA)	1.81 TB	💙 New	600MB	A5C0	
2	ATA Hitachi HDS72202 (SATA)	1.81 TB	🗢 New	300MB	A3MA	
3	ATA Hitachi HUA72302 (SATA)	1.81 TB	New	600MB	A5C0	
1	ATA Hitachi HUA72302 (SATA)	1.81 TB	New	600MB	A5C0	
		0 Byte	😣 Absent			
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		0 Byte	8 Absent			
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## Step 3. Create RAID by EonOneLite

1. Select "Action" and press "Add Volume".



2. Confirm your HDDs have been detected and select "RAID Level". Press "Confirm and Start".

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Start Quick Setup M M M M M M M M M M M M M	оз Мисе Ф .44 тв Ма	
Firefox automatically sends some data to Mozilla so that we can improve your experience.		Choose What I Share ×

3. Please wait for a while.

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Apply the settings		
This process may take a few minutes time depending on the system hardware and hard drive capacity.		
Create Lapical Drive	-	
	5-9-6	
O Firefox automatically sends some data to Mozilla so that we can improve your experience.		Qhoose What I Share x

4. After finished, you will see "All Complete". Press "X" to exit.

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🔹 🗟 127 A.G.1 8814cjuessionst=1ph/ppi3pduh13hd3ep6642n#/wizentkomplete	• C Google	() ☆ 白 丰 音 亜
	- Charles I.	
All Complete Computations. You have successfully finished all the steps for quick setup. To manage this device, cit	ck Device Management.	
() internation		
The volume has been created successfully and functioning normally RAID volume initialization is in pro-	gress in the background.	
Device Management Exit		
© Findra submittality sands same data to Hapita so that wa can improve yaut experience.		Choose What I Share *

5. Press "Setup" → "Record" → "Storage".

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				1
NVR7316	Schedule Sonage Exercised	Pre-Post Recording		Drag Camera Here
Atam Atam				Drag Camera Hero
		Cone		Drig Camera Here

6. Press "Setting".

			Sto	rage Manager				×
Storage Usage								
Details								
Disk Type	Logical Drive	RAID Level	Drive Size(GB)	Available Size(GB)	Online	Data Type	Enable/Disable	Statu
					Infor	nation	Edit De	lete
Advanced Setti	ngs							
Disk detection	n: Join NVR Serv	ver disk allocati	on				Se	ting
								Close

7. Press "Check" and wait for a while, system will mount your RAID on NVR7316.

	Advanced Settings	2
General IP Storag	e NAS	
Raid		
Free Space	5710112MB	
RAID Level	Non-Raid	
Check Storage		
SAS/iSCSI/HBA, rur avold NVR Server re	ntime unplug again brain, through check estart, (description)	storage resumed, to
SAS/ISCSI/HBA, rur avoid NVR Server re	rtime unplug again brain, through check estart, (description)	storage resumed, to

8. After finished, press "X" to close the window.



9. You will see your RAID on the list.

				Storage	e Manager			
torage	Usage							
				_	_	_	_	_
Used	(1.26%) 70.0	6(GB),total 5554.	00(GB)					
ətails								
	Disk Type	Logical Drive	RAID Level	Drive Size(GB)	Available Size(GB)	Online	Data Type	Enable/Disable
	SAS		RAID 5	5554	5483.95	Yes	LOG, VIDEO	Enable
						Information	Edit	Delete
ivanc	ed Settings							
Disk	detection: Joi	n NVR Server dis	ik allocation					Setting

## Step 4. Active the license

1. Check the NVR S/N information on the label. The S/N should be ESRS000XXXXXXXXXXX

rive S	Slot no	э.		P/N NVR7316A1-64-8B30
1	2	3	4	S/N ESBS000B1551000001
5	6	7	8	
9	10	11	12	B/N TWRS000B1551000001
13	14	15	16	

 Go to "Setup" > "Maintenance" > "License Settings". Select "Browse" and click "Export".

Remember to insert a USB device before you select "Browse".



- 3. Please send **the exported file ".info"** to Surveon FAE and **tell us the S/N**. Surveon FAE will send back a ".lis" file.
- 4. Go to "License Settings" and click "Add". Select the ".lis" file sent from Surveon FAE. Then the license will be added back.



5. If the information below appears in License Settings, it means you successfully added the license back.



# Appendix:

 If a network disconnected message appeared in the event window after NVR7316 reboot, it might indicates that NVR7316 LAN2 isn't connected to any network device. You can check more detail in View Log.

