FREQUENTLY ASKED QUESTIONS
SATATYA DVR/NVR/HVR

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Author: Ashutosh Sharma

How to prevent HDD failure in SATATYA Devices?

For proper functioning of Surveillance Hard Disk Drive connected with SATATYA Devices, take care of the following points:

- It is always recommended to use surveillance HDD instead of a consumer HDD for the SATATYA Devices.
- Make sure to use Matrix Power Supply provided with SATATYA Devices to power them up.
- Make sure to screw the HDD in the slots provided in the device.
- SATATYA Device is recommended to be connected with a UPS to avoid any sudden restarts thereby safeguarding the HDD.
- In SATATYA Device Client, when the message 'HDD requires Clean-up' appears, click yes. This removes the junk files in the HDD connected with the device and not recorded files. The junk files are created as a result of frequent fragmentation/defragmentation of files. However, during the clean-up, the recording stays off. It resumes once the clean-up is done.
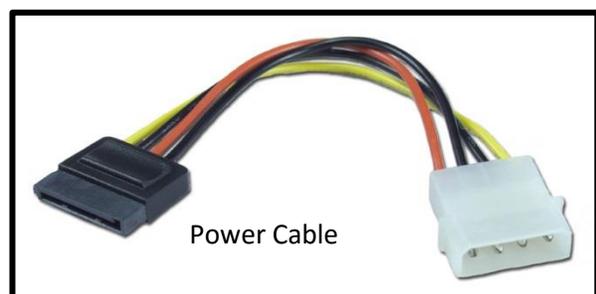
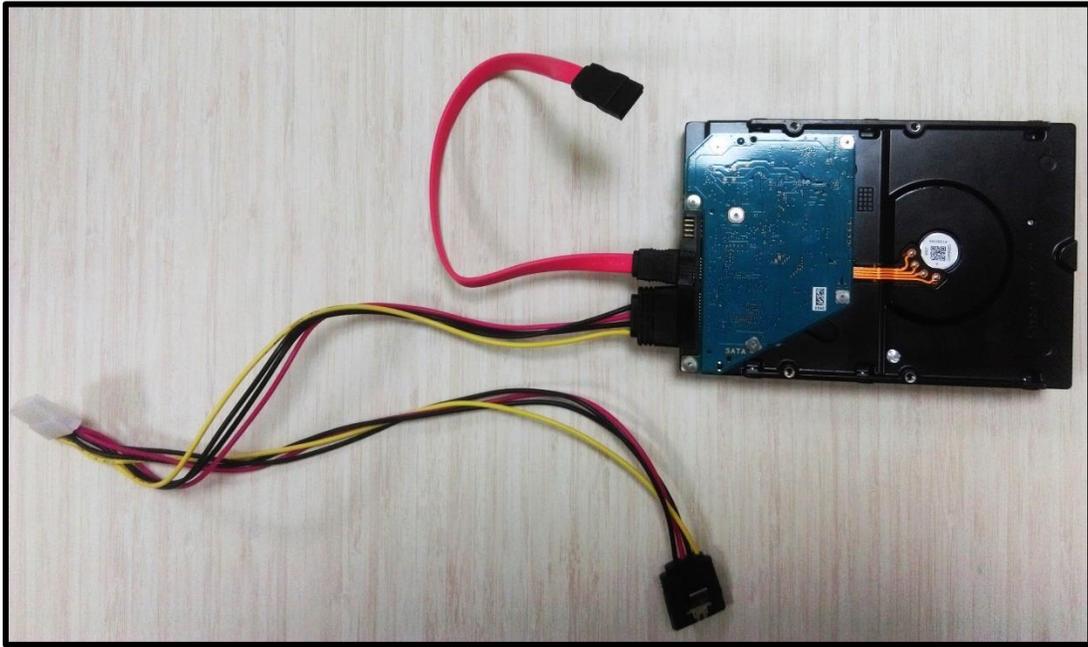## Difference between Consumer and Surveillance HDDs:

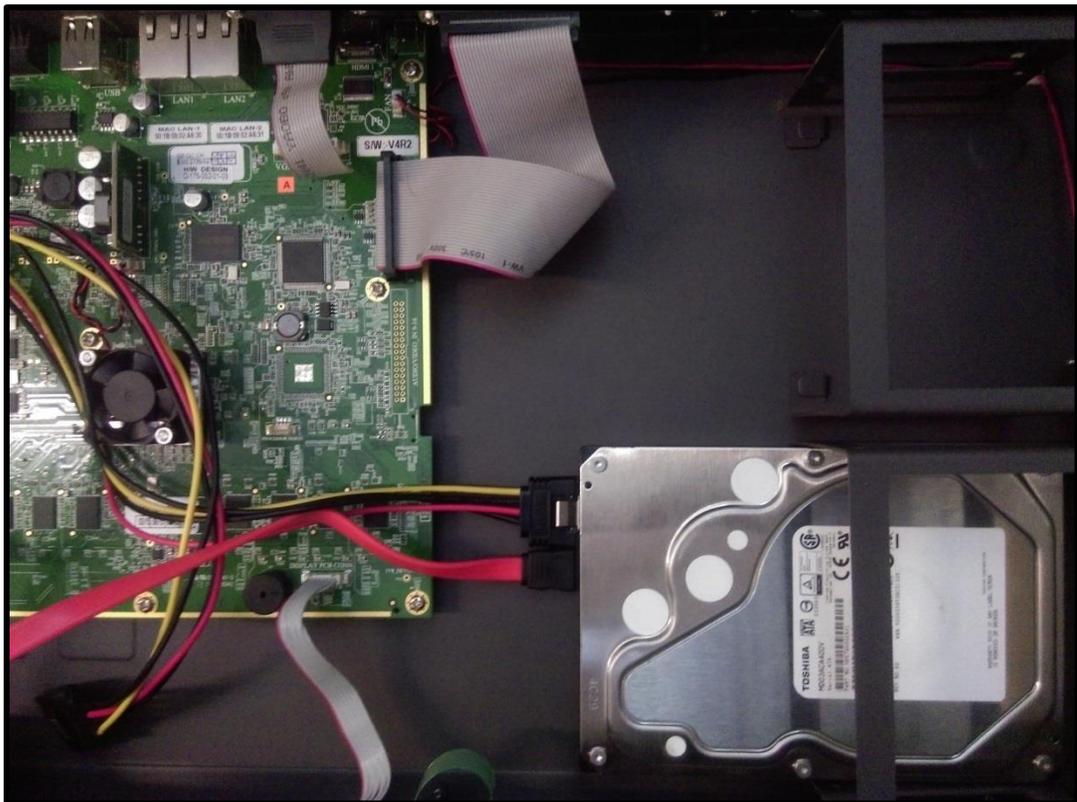|	Consumer HDDs	Surveillance HDDs
Power-on Hours	8X5	24X7
Designed for multi-HDD recording	No	Yes (1 to unlimited)
Mean time before failure (hours)	700K	1-1.4 million
Workloads	Balanced between reads and writes	High sequential read/write of high resolution videos
Power management	High spin-up current > 2A	Low spin-up current < 2A
Warranty	2-3 years	3-5 years

Connecting HDD with SATATYA Device

Step 1: Switch off the SATATYA Device.

Step 2: Connect the SATA Cable and Power cable with the HDD.

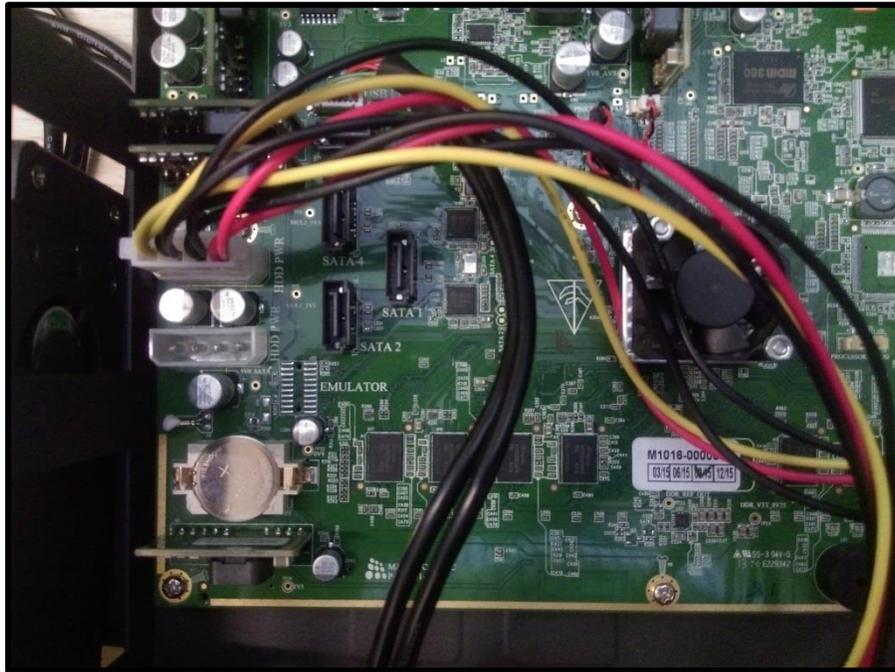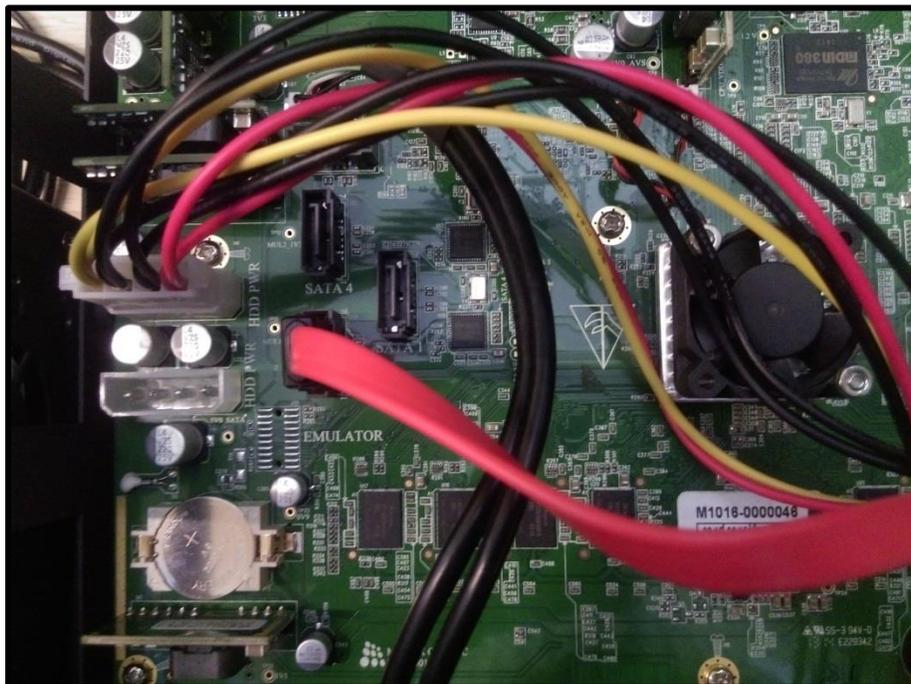SATA Cable

Power Cable

Step 3: Place the HDD in one of the slots provided in SATATYA Device (NVR/HVR).

Step 4: Connect the HDD with the one of the **'HDD PWR'** ports of SATATYA Device.

Step 5: Connect the HDD with one of the **'SATA'** ports of SATATYA Device.

Step 6: Cover up the device and boot it.

<u>Recommended Brands and Models of HDDs for SATATYA Devices:</u>

Brands	Models
Western Digital	WD60PURX
	WD50PURX
	WD40PURX
	WD30PURX
	WD20PURX
	WD10PURX
	WD6NPURX
	WD4NPURX
	WD20NPVX
	WD15NPVX
TOSHIBA	All models of surveillance HDDs

- All Devices support maximum of 6 TB of Hard Disk per port.
- All Devices support maximum of 16 TB of NAS.
- All Devices support maximum of 1 TB USB Storage per port. The USB storage should contain GPT Partition Table.