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## 1. Hard Disk Drives

NUUO recommends system designers to choose Enterprise grade or Surveillance grade HDDs to ensure high storage stability and performance. 24/7 operational capabilities are also important because your system is running around the clock. This is especially true for environments under the 3 conditions as listed below:

1. When the number of HDDs is more than, or equal to, 5 HDDs.
2. When the NVR is installed on rack.
3. When the NVR is set up with RAID.

The Hard disk drives compatibility list is tested on **NH-4500** and **CT-8000IP** only. For other models, please **DO NOT** use **Green/ Eco series hard drives (below 7200 RPM)** to avoid data lost due to long wake up time from a sleeping drive.

### Enterprise

Vendor	Family	Model	Capacity	Interface	Firmware	
Seagate	Constellation ES.3 / Enterprise 3.5	ST4000NM0033	4TB	SATA 6Gb/s	0001	
		ST3000NM0033	3TB	SATA 6Gb/s	0001	
	Constellation ES / Enterprise 3.5	ST3500514NS	500GB	SATA 3Gb/s	SN12	
		ST31000524NS	1TB	SATA 3Gb/s	SN12	
	Constellation CS / Terascale	ST4000NC000	4TB	SATA 6Gb/s	CE02	
		ST3000NC000	3TB	SATA 6Gb/s	CE02	
		ST2000NC000	2TB	SATA 6Gb/s	CE02	
		ST1000NC000	1TB	SATA 6Gb/s	CE02	
	WD	RE	WD4000FYYZ	4TB	SATA 6Gb/s	
			WD3000FYYZ	3TB	SATA 6Gb/s	
WD2003FYYS			2TB	SATA 3Gb/s	01.0	
WD1003FBYX			1TB	SATA 3Gb/s	01.0	
WD5003ABYX			500GB	SATA 3Gb/s	01.0	
SE		WD4000F9YZ	4TB	SATA 6Gb/s	01.0	
		WD3000F9YZ	3TB	SATA 6Gb/s	01.0	
		WD2000F9YZ	2TB	SATA 6Gb/s	01.0	
Toshiba	MG03ACAxxx	MG03ACA300	3TB	SATA 6Gb/s		
		MG03ACA200	2TB	SATA 6Gb/s		
		MG03ACA100	1TB	SATA 6Gb/s		

### Video Surveillance

Vendor	Family	Model	Capacity	Interface	Firmware
Seagate	Surveillance + SRS	ST4000VX000	4TB	SATA 6Gb/s	CV13
	SV35 + SRS	ST3000VX004	3TB	SATA 6Gb/s	CV26
		ST2000VX004	2TB	SATA 6Gb/s	CV26
		ST1000VX002	1TB	SATA 6Gb/s	CV26
	Surveillance	ST4000VX000	4TB	SATA 6Gb/s	CV13
	SkyHawk	ST4000VX007	4TB	SATA 6Gb/s	CV11
		ST6000VX003	6TB	SATA 6Gb/s	SC60
	SV35	ST3000VX000	3TB	SATA 6Gb/s	CV12/CV26
		ST2000VX000	2TB	SATA 6Gb/s	CV12/CV26
		ST2000VX002	2TB	SATA 6Gb/s	CV01

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		ST1000VX000	1TB	SATA 6Gb/s	CV12/CV26
		ST31000526SV	1TB	SATA 6Gb/s	CV12
		ST3500411SV	500 GB	SATA 6Gb/s	CV12
WD	Purple	WD40PURX	4TB	SATA 6Gb/s	80.0
		WD30PURX	3TB	SATA 6Gb/s	80.0
		WD20PURX	2TB	SATA 6Gb/s	80.0
		WD10PURX	1TB	SATA 6Gb/s	01.01A01

## 2. External Storage System

	DAS Support	SAN Support	NAS Support
Mainconsole	Yes	Yes	NUUO external storage: CT-8000ES only (Win7 Ultimate / Win 7 Enterprise / Win 8 Enterprise)

## 3. Joystick Support

Vendor	Model
Axis	T8311
Logitech	Attack 3

**Note: NUUO supports all the models of joysticks that are compatible with Windows.**

### Supported Function:

Function List	IP+	DVR Card	Mainconsole / Remote Live Viewer
Go to preset point	Yes	Yes	Both
Physical Pan and Tilt	Yes	Yes	Both
Digital Pan and Tilt	Yes	Yes	Both
Digital zoom in/out	No	No	Both
Goto camera	Yes	Yes	Both
Go to previous camera	Yes	Yes	Both
Go to next camera	Yes	Yes	Both
Switch screen layout	Yes	Yes	Both
Toggle single camera view	Yes	Yes	Both
Toggle full screen	Yes	Yes	Both
Start/stop autopan	Yes	Yes	Only on Mainconsole
PTZ speed up	Yes	Yes	Only on Mainconsole
PTZ speed down	Yes	Yes	Only on Mainconsole
Zoom in/out	Yes	Yes	Both
Start/stop patrol	Yes	Yes	Both
Switch active monitor	Yes	Yes	Only on Mainconsole
PTZ when camera moving	Yes	N/A	Both

## 4. Web Browser

Web	Windows	Windows	Windows	Windows	Windows	Windows	Windows
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	XP-SP3 32bit	2003-SP2	Vista-SP2	7 32/64bit	Server 2008 R2 64bit	Server 2012	8 64bit
<b>IE 8</b>	PASS	N/A	N/A	PASS	PASS	PASS	PASS
<b>IE 9</b>	-	N/A	N/A	PASS	PASS	PASS	PASS
<b>IE 10</b>	-	N/A	N/A	PASS	PASS	PASS	PASS
<b>IE 11</b>	-	N/A	N/A	PASS	PASS	PASS	PASS