1. Hard Drives

Classify the compatible HDD into three types, enterprise, video surveillance and desktop. We recommend user to choose enterprise-level HDD and video surveillance-level HDD, which are with better command timeout control and reliability.

For the following conditions, we only suggest using enterprise-level HDD:
1. When the number of HDD is more than, or equal to, 5 HDDs.
2. When the NVR is installed on rack.

Green series hard drives should never be used with NUUO recorders to avoid data lost due to long wake up time from a sleeping drive.

[3.5-inch Hard Drives]
Video Surveillance

Vendor	Family	Model	Capacity	Interface	FW	Tested Model	
						Solo Plus 2 bay	Solo Plus 8 bay
Seagate	Surveillance	ST6000VX0001	6TB	SATA 6Gb/s	VN02		V
		ST4000VX000	4TB	SATA 6Gb/s	CV13		V
	SkyHawk	ST14000VX0008	14TB	SATA 6Gb/s	AV01	V	V
		ST10000VX0004	10TB	SATA 6Gb/s	AV01		V
		ST8000VX004	8TB	SATA 6Gb/s	AV01	V	
		ST6000VX001	6TB	SATA 6Gb/s	CV11		V
		ST8000VX022	8TB	SATA 6Gb/s	AV01		V
		ST4000VX005_SMR	4TB	SATA 6Gb/s	CV10	V	
	SkyHawk AI	ST18000VE000	18TB	SATA 6Gb/s	EV01	V	V
		ST18000VE002	18TB	SATA 6Gb/s	EV01	V	V
		ST16000VE002	16TB	SATA 6Gb/s	EV01	V	V
		ST12000VE001	12TB	SATA 6Gb/s	EV01	V	V
		ST10000VE004	10TB	SATA 6Gb/s	EV01	V	V
		ST10000VE001	10TB	SATA 6Gb/s	EV01	V	V
		ST10000VE000	10TB	SATA 6Gb/s	EV01	V	V
		ST8000VE001	8TB	SATA 6Gb/s	EV01	V	V
		ST8000VE000	8TB	SATA 6Gb/s	EV01	V	V
WD	Purple Series	WD101PURZ	10TB	SATA 6Gb/s		V	
		WD60PURX	6TB	SATA 6Gb/s	0A80		V
		WD40PURX	4TB	SATA 6Gb/s	80		V

Some listed devices may not be available, please check with your local vendors.
*Newly tested compatible hard drive models

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[2.5-inch Hard Drives] For 1bay device only
Enterprise

Vendor	Family	Model	Capacity	Interface	Firmware
WD	WD AV-25	WD 10JUCT	1TB	SATA 3Gb/s	01.0
		WD5000LUCT	500GB	SATA 3Gb/s	01.0

Some listed devices may not be available, please check with your local vendors.

2. Monitor Support

Output Source	Resolution
HDMI VGA	1024x768, 60Hz 1280x720, 60Hz 1280x1024, 60Hz 1920x1080, 60Hz 2560x1440, 60Hz 3840x2160, 60Hz

We improve HDMI compatibility in FW v1.1.2.

1) HDMI cable should be HDMI certificated, and its signal transmission quality depends on the diameter of wire (AWG) and the length of cable. If the length of your HDMI/VGA cable is over 1M, add a "repeater" to strengthen the signal.
2) When the UI/video image isn't at the correct location, correct it by the "auto adjust" function on the monitor or adjust it manually.
3) If encountering display issue, please use remote control to press the "10+" button, release it and press the "." button to switch monitor resolution (switching sequence: auto (default) → 1024x768 → 1280x720 → 1280x1024 → 1920x1080 → 3840x2160(Only NVRsolo Plus support)). If it fails, please check the signal out via PC to make sure monitor is under standard regulations.

3. Touch Panel Support

Vendor	Model
Acer	T232HL
ViewSonic	TD2220

4. UPS Support

Vendor	Model
APC	APC Smart-UPS XL 3000VA (SUA3000XL)
APC	APC Back-UPS ES 500VA (BE500TW)

5. DAS Support

Vendor	Model	Host Interface	HDD
Promise	SmartStor DS4600	eSATA	SATA

6. UPnP Router (auto port-forwarding)

Vendor	Model
D-Link	DIR-300

Note: This is the model we tested for auto port-forwarding function. Basically, all router possess UPnP function should be compatible.

7. Joystick Support

Vendor	Model
Axis	T8311
Axis	295
Logitech	Attack 3

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

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Supported functions:

Type	Function
View & Camera	Goto View # Goto Previous Camera Goto Next Camera
Screen Layout Switch	Switch Screen Layout Toggle Single Camera View Toggle Full Screen
PTZ Control	Goto Preset Point # Zoom Out Zoom In Start/Stop Patrol

Web Browser

Web	Internet Explorer 8 (32 bit)					
OS	Windows XP-SP3 32 bit	Windows 2003-SP2	Windows Vista-SP2	Windows 7 32/64 bit	Windows 8 32/64 bit	Windows 10 32/64 bit
PASS/FAIL	PASS	X	X	PASS	-	-
Web	**Internet Explorer 9 (32 bit)**					
OS	Windows XP-SP3 32 bit	Windows 2003-SP2	Windows Vista-SP2	Windows 7 32/64 bit	Windows 8 32/64 bit	Windows 10 32/64 bit
PASS/FAIL	-	X	X	PASS	-	-
Web	**Internet Explorer 10 (32 bit)**					
OS	Windows XP-SP3 32 bit	Windows 2003-SP2	Windows Vista-SP2	Windows 7 32/64 bit	Windows 8 32/64 bit	Windows 10 32/64 bit
PASS/FAIL	-	-	-	PASS	PASS	-
Web	**Internet Explorer 11**					
OS	Windows XP-SP3 32 bit	Windows 2003-SP2	Windows Vista-SP2	Windows 7 32/64 bit	Windows 8/8.1 32/64 bit	Windows 10 32/64 bit
PASS/FAIL	-	-	-	PASS	PASS	Pass
Web	**Chrome***					
OS	Windows XP-SP3 32 bit	Windows 2003-SP2	Windows Vista-SP2	Windows 7 64 bit	Windows 8 64 bit	Windows 10 64 bit
PASS/FAIL	-	-	-	PASS	PASS	Pass
Web	**Safari v6.1***					
OS	MAC OS X 10.6	MAC OS X 10.7	MAC OS X 10.8	-	-	
PASS/FAIL	-	PASS	PASS	-	-	
Web	**Safari v7.0***					
OS	MAC OS X 10.6	MAC OS X 10.7	MAC OS X 10.8	-	-	
PASS/FAIL	-	PASS	PASS	-	-	

-: not available
X: not compatible

*Below functions are not supported on Safari or Chrome.
- POS
- Fisheye dewarp

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9.ezNUUO

ezNUUO is supported on Windows Internet Explorer and Windows Chrome only. It is not supported on Mac Safari.

10. FTP

OS	Windows XP-SP3 32 bit	Windows 2003-SP2	Windows Vista-SP2	Windows 7 32/64 bit	Windows 8 32/64 bit
PASS/FAIL	PASS	X	X	PASS	PASS

X: not compatible

11. Remote Client

Remote PC System Requirements

Remote PC Minimum Requirements	
OS Supported	Windows XP 32 bit, Windows 7 32/64 bit, Windows 8 32/64 bit, Win10 32/64-bit
CPU	Intel Core 2 Duo, 2.6GHz
RAM	1GB
User Interface	HTTP Web browser - Internet Explorer 8, 9, 10,11 (32 bit) NUUO client application program