

## Document History

FW version	Date	Change List
<b>V1.0.0</b>	2011/07/08	Initial
<b>V1.1.0</b>	2011/10/05	1. New HDD compatible 2. Support IE 9
<b>V1.1.0</b>	2011/10/14	Add "interface" information on HDD list
<b>V1.1.0</b>	2011/11/16	Add DAS support for 4bay device.
<b>V1.4.0</b>	2012/2/16	New HDD compatible
<b>V1.6.0</b>	2012/10/16	1. New HDD compatible 2. Remove Seagate Barracuda Green Series HDD
<b>V1.6.0</b>	2012/11/6	Update Seagate SV35 Series FW
<b>V1.7.0</b>	2013/7/11	1. New HDD compatible 2. Note that Enterprise disks are more suitable for RAID 5 and RAID 10 3. Compatible with Windows 8 (32/64 bit) and IE 10 (32 bit)
<b>V1.7.1</b>	2013/8/22	Add supported joystick functions
<b>V2.0.0</b>	2014/03/12	Compatible with Mac Safari and Windows Chrome
<b>V2.0.0</b>	2014/09/04	Add limitation on web browser support
<b>V2.2.0</b>	2014/10/22	Compatible with IE11
<b>V2.2.0</b>	2014/11/11	1. Add Seagate 6TB Enterprise HDD support 2. Add RAID5 limitation
<b>V2.2.0</b>	2014/11/14	Add Seagate SV35 + SRS series support
<b>V3.0.0</b>	2016/02/19	1. 2 <sup>nd</sup> stream record-dual record 2. New client pack 6.1.705.5 3. Support H.265
<b>V3.2.0</b>	2017/02/19	New HDD support
<b>V3.5.0</b>	2017/08/25	Update Remote Client to 6.1.705.15
<b>V3.5.0</b>	2017/09/22	Remove support Chrome Browser
<b>V3.11.0</b>	2020/03/30	1. New HDD support : WD : WD60PURX(6TB) Seaget : ST6000VX001(6TB) 2. Update Remote Client to 6.1.705.19

## 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. However, if you want to configure RAID 5<sup>1</sup> and RAID 10 disk volume, enterprise-level HDD is highly recommended.

### Enterprise<sup>2</sup>

Vendor	Family	Model	Capacity	Interface	Firmware
<b>HITACHI</b>	Ultrastar A7K2000	HUA722010CLA330	1TB	SATA 3Gb/s	JP40
<b>SEAGATE</b>	Constellation ES.3	ST6000NM0024	6TB	SATA 6Gb/s	SN02
		ST4000NM0033	4TB	SATA 6Gb/s	0001
		ST3000NM0033	3TB	SATA 6Gb/s	0001
	Constellation	ST31000524NS	1TB	SATA 3Gb/s	SN12
		ST3500514NS	500GB	SATA 3Gb/s	SN12
<b>WD</b>	WD RE	WD4000FYYZ	4TB	SATA 6Gb/s	01.0
	WD RE4	WD2003FYYS	2TB	SATA 3Gb/s	01.0
		WD1003FBYX	1TB	SATA 3Gb/s	01.0
		WD5003ABYX	500GB	SATA 3Gb/s	01.0
<b>Toshiba</b>	MG03ACAxxx	MG03ACA200	2TB	SATA 6Gb/s	FL1A
		MG03ACA100	1TB	SATA 6Gb/s	FL0A

### Video Surveillance<sup>2</sup>

Vendor	Family	Model	Capacity	Interface	Firmware
<b>SEAGATE</b>	SV35 + SRS	ST3000VX004	3TB	SATA 6Gb/s	CV26
		ST2000VX004	2TB	SATA 6Gb/s	CV26
		ST1000VX002	1TB	SATA 6Gb/s	CV26
	SV35 Series	ST3000VX000	3TB	SATA 6Gb/s	CV12/CV26
		ST2000VX000	2TB	SATA 6Gb/s	CV12/CV26
		ST2000VX002	2TB	SATA 6Gb/s	CV01
		ST1000VX000	1TB	SATA 6Gb/s	CV12/CV26
	SkyHawk	ST6000VX001*	6TB	SATA 6Gb/s	CV11
<b>WD</b>	Purple Series	WD60PURX*	6TB	SATA 6Gb/s	0A80
		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

# NVRmini 2 Compatibility List



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## Desktop<sup>2</sup>

Vendor	Family	Model	Capacity	Interface	Firmware	
<b>HITACHI</b>	Deskstar 7K1000.C	HDS721010CLA332	1TB	SATA 3Gb/s	JP40	
	Deskstar 7K1000.D	HDS721010DLE630	1TB	SATA 6Gb/s	5R0	
	Deskstar 7K2000	HDS722020ALA330	2TB	SATA 3Gb/s	JKAOA28A	
	Deskstar 7K3000		HDS723030ALA640	3TB	SATA 6Gb/s	MKAO
			HDS723020BLA642	2TB	SATA 6Gb/s	MN60
			HDS723015BLA642	1.5TB	SATA 6Gb/s	MN60
<b>SEAGATE</b>	Barracuda 7200.11	ST31500341AS	1.5TB	SATA 3Gb/s	CC1H	
		ST3500320AS	500GB	SATA 3Gb/s	SD1A	
	Barracuda 7200.12		ST31000528AS	1TB	SATA 3Gb/s	CC38
			ST3500413AS	500GB	SATA 3Gb/s	CC35
			ST3500418AS	500GB	SATA 3Gb/s	CC35
	Barracuda 7200.14		ST3000DM001	3TB	SATA 6Gb/s	CC46
			ST2000DM001	2TB	SATA 6Gb/s	CC46
			ST1000DM003	1TB	SATA 6Gb/s	
	Barracuda LP		ST32000542AS	2TB	SATA 3Gb/s	CC34
			ST31500541AS	1.5TB	SATA 3Gb/s	CC34
	Barracuda XT		ST33000651AS	3TB	SATA 6Gb/s	CC45
			ST32000641AS	2TB	SATA 6Gb/s	CC13
<b>WD</b>	WD Caviar Black	WD2002FAEX	2TB	SATA 6Gb/s	05.0	
		WD1502FAEX	1.5TB	SATA 6 Gb/s	05.0	
		WD1002FAEX	1TB	SATA 6Gb/s	05.0	
		WD5002AALX	500GB	SATA 6Gb/s	15.0	

### Notes:

<sup>1</sup> RAID 5 is only supported with 1TB Enterprise level HDDs.

<sup>2</sup> Some listed devices may go EOL, so we cannot promise the market availability.

\*Newly tested compatible hard drive models

## UPS Support

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

## 2. DAS Support

Vendor	Model
AXUS	FiT300 series
AXUS	FiT 500 series
Promise	SmartStor DS4600

Note: For 4bay device only.

## 3. 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.

## 4. Joystick Support

Vendor	Model
Axis	T8311
Axis	295
Logitech	Attack 3

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

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

## 5. 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
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
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
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
PASS/FAIL	-	-	-	PASS	PASS
Web	Chrome*				
OS	Windows XP-SP3 32 bit	Windows 2003-SP2	Windows Vista-SP2	Windows 7 64 bit	Windows 8/8.1 64 bit
PASS/FAIL	-	-	-	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	MAC OS X 10.9	-
PASS/FAIL	-	PASS	PASS	PASS	-

-: not available X:  
not compatible

\*Below functions are not supported on Safari or Chrome.

- POS
- Fisheye dewarp

## 6. Network Neighborhood

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

## 7. 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