

Titan NVR v1.6 Compatibility List

Document History

FW version	Date	Change List
V1.0.0	2011/09/30	Initial
V1.0.0	2011/10/14	Add "interface" information on HDD list
V1.1.0	2011/10/27	New browser support
V1.2.0	2011/01/20	Add compatible iSCSI model New HDD support
V1.3.0	2012/04/26	Add compatible iSCSI model
V1.3.3	2012/6/11	Add compatible DAS model Remove green disk. Add AP support list
V1.5.0	2012/11/20	Add Seagate HD support Add iSCSI support model—EMC and Qsan Modify DAS support list
V1.5.1	2013/1/21	Support Windows 8 (32 bit and 64 bit) Support IE 10 (32 bit) Support AXIS Joystick T8311
V1.6.0	2013/7/4	Support 4T HDD Add Seagate Constellation ES.3 HDD support Add Toshiba MG03ACxxx HDD support Add WD RE4 HDD support Support EMC new iSCSI model, up to 375T
V1.6.7	2014/5/19	Update support list to 2014 Q1 version
V1.6.8	2014/9/16	Update support list to 2014 Q2 version

Compatibility list included versions in this build are:

NT-4040/NT-4040R		
Initial	V1.0.0	NT-4040_1.0.0_0065_0065.bin
2011/10/31	V1.1.0	NT-4040_1.1.0_0069_0069.bin
2012/01/20	V1.2.0	NT-4040_1.2.0_0088_0088.bin
2012/5/3	V1.3.0	NT-4040_1.3.0_0117.bin
2012/6/1	V1.3.3	NT-4040_1.3.3_0127_1415.bin
2012/11/26	V1.5.0	NT-4040_1.5.0.0148_1601.bin
2013/01/21	V1.5.1	NT-4040_1.5.1_0155_1900.bin
2013/07/04	V1.6.0	NT-4040_1.6.0_0169_1223.bin
2014/09/16	V1.6.8	NT-4040_1.6.8_0201_1439.bin

NT-8040R		
Initial	V1.3.0	NT-8040R_1.3.0_0117.bin
2012/6/1	V1.3.3	NT-8040R_1.3.3.0127_1418.bin
2012/11/26	V1.5.0	NT-8040R_1.5.0_0148_1604.bin
2013/01/21	V1.5.1	NT-8040R_1.5.1_155_1903.bin
2013/07/04	V1.6.0	NT-8040R_1.6.0_0169_1230.bin
2014/09/16	V1.6.8	NT-8040R_1.6.8_0201_1450.bin

1. Hard Drives

There are a several product segments in hard drive industry such as Enterprise grade, Surveillance grade, Green series and the other consumer desktop hard drives. NUUO recommends system designers to choose Enterprise grade or Surveillance grade drives to ensure high storage stability and performance. 24 x 7 operational capabilities are also important because your surveillance system is running around the clock.

Enterprise grade drives are recommended when the configuration of RAID (Redundant Array of Independent Disks) is required. Furthermore, to avoid vibration issue, please consider the maximum HDD number per storage system for system vibration tolerance, for example, if there are more than 5 HDDs in this storage system, please choose Enterprise grade drives or any HDD that has built-in RV Sensor. Enterprise grade drives are also highly recommended for rackmount storage system or any industrial environments where are always full of vibrations.

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. Consumer desktop series hard drives should be avoided with NUUO recorders because it's suitable for 8x5 environments only. It's different from your surveillance needs.

Enterprise

Vendor	Family	Model	Capacity	Interface	Firmware
Seagate	Constellation ES.3	ST4000NM0033	4TB	SATA 6Gb/s	0001
		ST3000NM0033	3TB	SATA 6Gb/s	0001
		ST2000NM0033	2TB	SATA 6Gb/s	0001
		ST1000NM0033	1TB	SATA 6Gb/s	0001
	Constellation ES	ST3500514NS	500GB	SATA 3Gb/s	SN12
		ST31000524NS	1TB	SATA 3Gb/s	SN12
	Constellation CS	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	01.0
		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	ST4000VX000	4TB	SATA 6Gb/s	CV12

	(SV35)	ST3000VX000	3TB	SATA 6Gb/s	CV12
		ST2000VX002	2TB	SATA 6Gb/s	CV12
		ST1000VX000	1TB	SATA 6Gb/s	CV12
		ST31000526SV	1TB	SATA 6Gb/s	CV12
		ST3500411SV	500 GB	SATA 6Gb/s	CV12
WD	Purple	WD40PURX	4TB	SATA 6Gb/s	
		WD30PURX	3TB	SATA 6Gb/s	
		WD20PURX	2TB	SATA 6Gb/s	
		WD10PURX	1TB	SATA 6Gb/s	

Some listed devices may go EOL, so we cannot promise the market availability.

2. iSCSI Support

Brand	Model	Infrastructure	HDD	Capacity
EMC	IOMEGA px12-350r	SAN	SATA	36 TB
EMC	IOMEGA px12-450r	SAN	SATA	48T
EMC	VNX 5300	SAN	Nearline SAS	375T
HP	P2000 G3 MSA	SAN	SAS	36 TB
HP	P2000 G3 MSA	SAN	SATA	36 TB
Qsan	P600Q-DS316	SAN	SATA	48 TB
Proware	EN-3166JS6H-NQX	SAN	SATA	48 TB

3. DAS Support

Brand	Model	Host Interface	HDD	Capacity
Proware	EP-D501-C3A	eSATA	SATA	15 TB
Axis	FIT500	eSATA	SATA	15 TB

4. Joystick Support

Vendor	Model
Axis	295
Axis	T8311
Logitech	Attack 3

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

Supported function:

Type	Function
View and grid switching	Go to monitor # Next view Previous view Next grid

	Previous grid Go to grid #
Screen layout switching	Toggle single camera view Toggle full-screen
PTZ control	Digital / Optical switch Zoom in Zoom out Go to preset #

5. 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.

6. Web Browser support

OS \ Browser	IE 8 32bit	IE 9 32bit	IE 10 32 bit	Firefox 9-12	Firefox 18
Windows XP-SP3 32bit	PASS	N/A	N/A	PASS	PASS
Windows 7 32/64bit	PASS	PASS	N/A	PASS	PASS
Windows 8 32/64bit	N/A	N/A	PASS	PASS	PASS
Mac OS X 10.6	N/A	N/A	N/A	N/A	N/A
Mac OS X 10.7	N/A	N/A	N/A	N/A	N/A
Mac OS X 10.8	N/A	N/A	N/A	N/A	N/A

7. OS supported for NuClient AP

OS \ Application	Backup Player	Install Wizard	NuClient	OffLine Tool	Verification Tool	Uninstall Toolkit
Windows XP	PASS	PASS	PASS	PASS	PASS	PASS
Windows 7 32/64-bit	PASS	PASS	PASS	PASS	PASS	PASS
Windows 8 32/64-bit	PASS	PASS	PASS	PASS*	PASS	PASS
MAC OS X 10.6	PASS	PASS	PASS	N/A	PASS	N/A
MAC OS X 10.7	PASS	PASS	PASS	N/A	PASS	N/A
MAC OS X 10.8	PASS	PASS	PASS	N/A	PASS	N/A

* Please close UAC when operating Offline tool for license activation and transfer.

8. UPS Support

Vendor	Model
APC	APC Smart-UPS XL 3000VA (SUA3000XL)
APC	APC Smart-UPS 1500VA