

# Compatibility List

Version 3.0\_release date\_2016.03

## V3.0.0 Compatibility List

### Document History

FW version	Date	Change List
V2.1.5	2015/02/05	1. Support new joysticks
V2.3	2015/11	1. Add new HDD model
V3.0.0	2016/03	1. New client pack 6.1.705.5

NC-2080			NVR Version
2016.03	V3.0.0	NC-2080_hybrid_03.00.0000.0055_2016130_1751.bin	03.00.0000.0055
NC-2160			NVR Version
2016.03	V3.0.0	NC-2160_hybrid_03.00.0000.0055_2016130_1752.bin	03.00.0000.0055
NVC-2080			NVR Version
2016.03	V3.0.0	NVC-2080_hybrid_03.00.0000.0055_2016130_1735.bin	03.00.0000.0055
NVC-2160			NVR Version
2016.03	V3.0.0	NVC-2160_hybrid_03.00.0000.0055_2016130_1736.bin	03.00.0000.0055

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## 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 recorders to avoid data lost due to long wake up time from a sleeping drive.

### [3.5-inch Hard Drives]

#### Enterprise

Vendor	Family	Model	Capacity	Interface	FW
<b>HITACHI</b>	Ultrastar A7K2000	HUA722010CLA330	1TB	SATA 3Gb/s	JP40
<b>SEAGATE</b>	Constellation ES.3/ Enterprise 3.5	ST6000NM0024	6TB	SATA 6Gb/s	SN02
		ST4000NM0033	4TB	SATA 6Gb/s	0001
		ST3000NM0033	3TB	SATA 6Gb/s	0001
		ST31000524NS	1TB	SATA 3Gb/s	SN12
	Constellation CS/ Terascale	ST2000NC000	2TB	SATA 6Gb/s	CE02
		ST4000NC000	4TB	SATA 6Gb/s	CE02
<b>WD</b>	WD RE4	WD2003FYY5	2TB	SATA 3Gb/s	01.0
		WD1003FBYX	1TB	SATA 3Gb/s	01.0
		WD5003ABYX	500GB	SATA 3Gb/s	01.0
	WD RE	WD4000FYYZ	4TB	SATA 6Gb/s	01.0
		WD3000FYYZ	3TB	SATA 6Gb/s	01.0
		WD2000FYYZ	2TB	SATA 6Gb/s	01.0
<b>Toshiba</b>	MG03ACAxxx	MG03ACA300	3TB	SATA 6Gb/s	FL1A
		MG03ACA200	2TB	SATA 6Gb/s	FL1A
		MG03ACA100	1TB	SATA 6Gb/s	FLOA

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

#### Video Surveillance

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
<b>WD</b>	Purple Series	WD40PURX	4TB	SATA 6Gb/s	80.0
		WD30PURX	3TB	SATA 6Gb/s	80.0
		WD20PURX	2TB	SATA 6Gb/s	80.0

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		WD10PURX	1TB	SATA 6Gb/s	01.01A01
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Some listed devices may not be available, please check with your local vendors.

## 2. Monitor Support

Output Source	Resolution
HDMI	1024x768, 60Hz
VGA	1280x720, 60Hz
	1280x1024, 60Hz
	1920x1080, 60Hz

- 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). 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:** Support all the models of joysticks that are compatible with Windows.

Supported functions:

Type	Function
View & Camera	Goto View #

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	Goto Previous Camera Goto Next Camera
<b>Screen Layout Switch</b>	Switch Screen Layout Toggle Single Camera View Toggle Full Screen
<b>PTZ Control</b>	Goto Preset Point # Zoom Out Zoom In Start/Stop Patrol

## 8. 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 8/8.1 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 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	-	-
PASS/FAIL	-	PASS	PASS	-	-

-: not available

X: not compatible

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

- POS
- Fisheye dewarp

## 9.findNVR

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

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## 10. FTP

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

X: not compatible