

OS or Storage	Brand	Model #	Capacity	Interface	Format	Bay	Channel	NAV Models
OS	Crucial	MX500 CT500MX500SSD1	500GB	2.5" SATA 6Gb s	TLC	1	-	All Models
OS	SanDisk	Ultra 3D 3D 500GB	500GB	2.5" SATA 6Gb s	TLC	1	-	All Models
OS	Apacer	PPSS25 SATA AP512GPPSS25	512GB	2.5" SATA 6Gb s	TLC	1	-	All Models
OS	Apacer	SM230-25 AP-S25KZ701TB-3VTM1GF	1TB	2.5" SATA 6Gb s	MLC	1	-	All Models
OS	Apacer	SM230-25 APS25KZ7512G-2HTM1GF	500GB	2.5" SATA 6Gb s	MLC	1	-	All Models
OS	Apacer	PP3480 PCIe M280 AP512GPP3480	512GB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	Apacer	PP3480 PCIe M280 AP1TPP3480	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	Transcend	MTS430S 512GB	512GB	M.2 SATA 2242	TLC	1	-	NAV2036 (Silver case)
OS	Crucial	Crucial T500 1TB PCIe GEN4	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	WD	WD Black SN750 WDS100T3X0C	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	WD	WD Black SN750 WDS500G3X0C	500GB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	WD	WD Black SN850 WDS100T1X0E	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	WD	WD Black SN850 WDS500G1X0E	500GB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	WD	WD Black SN850X WDS100T2X0E	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	Seagate	FireCuda 530	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	KIOXIA	Exceria G2 Pro SSD	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	KIOXIA	Exceria G2 SSD (ECFA17.3)	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	KIOXIA	Exceria G2 SSD (ECFA17.3)	500GB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	Kingston	FURY Renegade	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	Kingston	KC3000	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	Kingston	NV3 500GB(SNV3S/500G)	500GB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	Solidigm	P44 Pro	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	Solidigm	P41 Plus	1TB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	Intel	760p SSD M.2 PCI-E	512GB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	SMART Modular	FDMP8256GTCXB182(CP2700)	256GB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	SSSTC	MSSSTCM280256GPE(PL1)	256GB	M.2 PCI-E 2280	TLC	1	-	All Models
OS	SAMSUNG	870 EVO (ISO SVQ02B6Q)	500GB	2.5" SATA 6Gb s	TLC	1	-	All Models

Test Environment:
1. System Version: Win11 25H2
2. Software version: 5.0.0.182
3. System SSD Capacity: Reserve space of 40% or more
4. System SSD Temperature: Within 55°C
Note: It is not recommended to continuously operate in extreme temperature environments. Operating at higher temperatures will shorten the product's lifespan.

NTS1200/A/E, NAV6001AI-M

Brand	Model #	Capacity	Interface	RPM Class	Format	Bay	Channel (per HDD)
Seagate	BarraCuda Pro ST1000LM049	1TB	2.5" SATA 6Gb s	7200 rpm	TLC	1	6ch
Seagate	BarraCuda ST1000LM048	1TB	2.5" SATA 6Gb s	5400 rpm	TLC	1	4ch
Seagate	SkyHawk 2.5" ST1000LM049	1TB	2.5" SATA 6Gb s	5400 rpm	TLC	1	4ch
Seagate	SkyHawk 2.5" ST2000LM049	2TB	2.5" SATA 6Gb s	5400 rpm	TLC	1	4ch

Test Environment:

1. System Version: Win11 25H2
 2. Software version: 5.0.0.182
 3. Recording HDD Capacity: 10% reserved for loop recording
 4. Recording HDD Temperature: Within 55°C
 5. System Pressure: Live video streaming + 1 user playback (Disable Windows disk indexing for the recording hard drive)
 6. Intel RAID: (Intel Software RAID 5 is no longer recommended for use)
 7. Single Channel Streaming: H.264 4Mbps / 1080p 30FPS + 480p 15FPS; H.265 2Mbps / 1080p 30FPS + 480p 15FPS
- Note:** It is not recommended to continuously operate in extreme temperature environments. Operating at higher temperatures will shorten the product's lifespan.

NAV3025/A/H								
Brand	Model #	Capacity	Interface	RPM Class	Format	Bay	Channel (per HDD)	Channel (RAID 5)
WD	Purple Surveillance AI WD181PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
WD	Purple Surveillance AI WD180PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
WD	Purple Surveillance AI WD121PURZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
WD	Purple Surveillance AI WD82PURZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
WD	WD Purple Pro(AI) WD221PURP	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
WD	WD Purple Pro(AI) WD181PURP	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
WD	WD Purple Pro(AI) WD141PURP	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
WD	WD Purple Pro(AI) WD121PURP	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
WD	WD Purple Pro(AI) WD8001PURP	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
WD	Red Pro NAS WD121KFBX	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD	Red Pro NAS WD102KFBX	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD	Red Pro NAS WD8003FFBX	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD	Red Pro NAS WD6003FFBX	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD	Red Pro NAS WD4003FFBX	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD(HGST)	Ultrastar DC HA210 HUS722T2TALA	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD(HGST)	Ultrastar DC HC320 HUS728T8TAL	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD(HGST)	Ultrastar DC HC320 HUS726T6TAL	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD(HGST)	Ultrastar DC HC330 WUS721010ALE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD(HGST)	Ultrastar DC HC340 WUS721208BLE	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
WD(HGST)	Ultrastar DC HC520 HUH721212ALE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD(HGST)	Ultrastar DC HC530 WUH721414AL	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD(HGST)	Ultrastar DC HC550 WUH721818AL	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD(HGST)	Ultrastar DC HC550 WUH721816AL	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD(HGST)	Ultrastar DC HC560 WUH721816AL	20TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD(HGST)	Ultrastar DC HC570 WUH722222AL	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD	Gold Enterprise WD121KRYZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD	Gold Enterprise WD102KRYZ	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD	Gold Enterprise WD8005FRYZ(Ultrastar)	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD	Gold Enterprise WD8004FRYZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD	Gold Enterprise WD6003FRYZ	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD	Gold Enterprise WD4003FRYZ	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
WD	Gold Enterprise WD2005FBYZ	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Seagate	SkyHawk ST8000VX004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	SkyHawk AI ST16000VE000	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	SkyHawk AI ST16000VE002	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	SkyHawk AI ST14000VE0008	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch

Seagate	SkyHawk AI ST12000VE0008	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	SkyHawk AI ST10000VE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	SkyHawk AI ST8000VE000	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	SkyHawk AI ST8000VE001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	SkyHawk AI ST18000VE002	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	IronWolf NAS ST10000VN000	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	IronWolf NAS ST8000VN004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Seagate	IronWolf Pro NAS ST12000NT001	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NT001	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NE0004	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
Seagate	IronWolf Pro NAS ST8000NT001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
Seagate	IronWolf Pro NAS ST6000NT001	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
Seagate	IronWolf Pro NAS ST4000NT001	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
Seagate	IronWolf Pro NAS ST2000NT001	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	6ch	16ch
Seagate	Enterprise Exos 7E8 ST8000NM000A	8TB	3.5" SATA 6Gb s	7200 rpm	PMR	4	9ch	25ch
Seagate	Enterprise Exos 7E8 ST6000NM002A	6TB	3.5" SATA 6Gb s	7200 rpm	PMR	4	9ch	25ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN01)	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN03)	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Seagate	Enterprise Exos 7E10 ST6000NM000B	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Seagate	Enterprise Exos X16 ST16000NM001G	16TB	3.5" SATA 6Gb s	7200 rpm	PMR	4	9ch	25ch
Seagate	Enterprise Exos X16 ST14000NM001G	14TB	3.5" SATA 6Gb s	7200 rpm	PMR	4	9ch	25ch
Seagate	Enterprise Exos X16 ST12000NM001G	12TB	3.5" SATA 6Gb s	7200 rpm	PMR	4	9ch	25ch
Seagate	Enterprise Exos X16 ST10000NM001G	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	4	9ch	25ch
Seagate	Enterprise Exos X18 ST18000NM000J	18TB	3.5" SATA 6Gb s	7200 rpm	PMR	4	9ch	25ch
Seagate	Enterprise Exos X20 ST20000NM007D	20TB	3.5" SATA 6Gb s	7200 rpm	PMR	4	9ch	25ch
Seagate	Enterprise Exos X24 ST24000NM002H	24TB	3.5" SATA 6Gb s	7200 rpm	PMR	4	9ch	25ch
Toshiba	Surveillance S300 Pro HDWTA1AUZSVA	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA80UZSVA	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA60UZSVA	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA40UZSVA	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	4ch	9ch
Toshiba	Enterprise MG Series MG11ACA24TE	24TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA18TE	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA16TE	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA14TE	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA12TE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA10TE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA800E	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA600E	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch

Toshiba	Enteprise MG Series MG10ADA400E	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch
Toshiba	Enteprise MG Series MG10ADA200E	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	4	9ch	25ch

Test Environment:

- 1. System Version: Win11 25H2
 - 2. Software version: 5.0.0.182
 - 3. Recording HDD Capacity: 10% reserved for loop recording
 - 4. Recording HDD Temperature: Within 55°C
 - 5. System Pressure: Live video streaming + 1 user playback (Disable Windows disk indexing for the recording hard drive)
 - 6. Single Channel Streaming: H.264 4Mbps / 1080p 30FPS + 480p 15FPS; H.265 2Mbps / 1080p 30FPS + 480p 15FPS
- Note:** Intel RAID is not supported.
- Note:** It is not recommended to continuously operate in extreme temperature environments. Operating at higher temperatures will shorten the product's lifespan.

NCS3600/E, NCS1440E, NAV2400/2800AI, NAV2036/A/E, NAV2036F

Brand	Model #	Capacity	Interface	RPM Class	Format	Bay	Channel (per HDD)	Channel (RAID 5)
WD	Purple Surveillance AI WD181PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Purple Surveillance AI WD180PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Purple Surveillance AI WD121PURZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Purple Surveillance AI WD82PURZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD221PURP	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD181PURP	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD141PURP	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD121PURP	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD8001PURP	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Red Pro NAS WD121KFBX	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD102KFBX	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD8003FFBX	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD6003FFBX	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD4003FFBX	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HA210 HUS722T2TALA	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC320 HUS728T8TAL	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC320 HUS726T6TAL	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC330 WUS721010ALE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC340 WUS721208BLE	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC520 HUH721212ALE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	25ch
WD(HGST)	Ultrastar DC HC530 WUH721414AL	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC550 WUH721818AL	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC550 WUH721816AL	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC560 WUH721816AL	20TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC570 WUH722222AL	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD121KRYZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD102KRYZ	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD8005FRYZ(Ultrastar)	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD8004FRYZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD6003FRYZ	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD4003FRYZ	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD2005FBYZ	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	SkyHawk ST8000VX004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	3ch	6ch
Seagate	SkyHawk AI ST16000VE000	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST16000VE002	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST14000VE0008	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch

Seagate	SkyHawk AI ST12000VE0008	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST10000VE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST8000VE000	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST8000VE001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST18000VE002	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	IronWolf NAS ST10000VN000	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	IronWolf NAS ST8000VN004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	IronWolf Pro NAS ST12000NT001	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NT001	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NE0004	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST8000NT001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST6000NT001	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST4000NT001	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST2000NT001	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	Enterprise Exos 7E8 ST8000NM000A	8TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos 7E8 ST6000NM002A	6TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN01)	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN03)	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	Enterprise Exos 7E10 ST6000NM000B	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST16000NM001G	16TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST14000NM001G	14TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST12000NM001G	12TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST10000NM001G	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X18 ST18000NM000J	18TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X20 ST20000NM007D	20TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X24 ST24000NM002H	24TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Toshiba	Surveillance S300 Pro HDWTA1AUZSVA	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA80UZSVA	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA60UZSVA	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA40UZSVA	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Enterprise MG Series MG11ACA24TE	24TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA18TE	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA16TE	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA14TE	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA12TE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA10TE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA800E	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch

Toshiba	Enteprise MG Series MG10ADA600E	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enteprise MG Series MG10ADA400E	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enteprise MG Series MG10ADA200E	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch

Test Environment:

- 1. System Version: Win11 25H2
- 2. Software version: 5.0.0.182
- 3. Recording HDD Capacity: 10% reserved for loop recording
- 4. Recording HDD Temperature: Within 55°C
- 5. System Pressure: Live video streaming + 1 user playback (Disable Windows disk indexing for the recording hard drive)
- 6. Single Channel Streaming: H.264 4Mbps / 1080p 30FPS + 480p 15FPS; H.265 2Mbps / 1080p 30FPS + 480p 15FPS

Note: Intel RAID is not supported.
Note: It is not recommended to continuously operate in extreme temperature environments. Operating at higher temperatures will shorten the product's lifespan.

NAV1036/A, NAV08036/A/E, NAV08072/A/E, NAV08108/A, NAV08630

Brand	Model #	Capacity	Interface	RPM Class	Format	Bay	Channel (per HDD)	Channel (RAID 5)
WD	Purple Surveillance AI WD181PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
WD	Purple Surveillance AI WD180PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
WD	Purple Surveillance AI WD121PURZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
WD	Purple Surveillance AI WD82PURZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
WD	WD Purple Pro(AI) WD221PURP	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
WD	WD Purple Pro(AI) WD181PURP	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
WD	WD Purple Pro(AI) WD141PURP	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
WD	WD Purple Pro(AI) WD121PURP	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
WD	WD Purple Pro(AI) WD8001PURP	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
WD	Red Pro NAS WD121KFBX	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD	Red Pro NAS WD102KFBX	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD	Red Pro NAS WD8003FFBX	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD	Red Pro NAS WD6003FFBX	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD	Red Pro NAS WD4003FFBX	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD(HGST)	Ultrastar DC HA210 HUS72T2TALA	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	64ch
WD(HGST)	Ultrastar DC HC320 HUS728T8TAL	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD(HGST)	Ultrastar DC HC320 HUS726T6TAL	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD(HGST)	Ultrastar DC HC330 WUS721010ALE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD(HGST)	Ultrastar DC HC340 WUS721208BLE	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD(HGST)	Ultrastar DC HC520 HUH721212ALE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
WD(HGST)	Ultrastar DC HC530 WUH721414AL	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD(HGST)	Ultrastar DC HC550 WUH721818AL	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD(HGST)	Ultrastar DC HC550 WUH721816AL	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD(HGST)	Ultrastar DC HC560 WUH721816AL	20TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD(HGST)	Ultrastar DC HC570 WUH722222AL	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD	Gold Enterprise WD121KRYZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD	Gold Enterprise WD102KRYZ	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD	Gold Enterprise WD8005FRYZ(Ultrastar)	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD	Gold Enterprise WD8004FRYZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD	Gold Enterprise WD6003FRYZ	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD	Gold Enterprise WD4003FRYZ	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
WD	Gold Enterprise WD2005FBYZ	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
Seagate	SkyHawk ST8000VX004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	16ch
Seagate	SkyHawk AI ST16000VE000	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
Seagate	SkyHawk AI ST16000VE001	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
Seagate	SkyHawk AI ST16000VE002	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch

Seagate	SkyHawk AI ST14000VE0008	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
Seagate	SkyHawk AI ST12000VE0008	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
Seagate	SkyHawk AI ST10000VE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
Seagate	SkyHawk AI ST8000VE000	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
Seagate	SkyHawk AI ST18000VE002	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	25ch
Seagate	IronWolf NAS ST10000VN000	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	16ch
Seagate	IronWolf NAS ST8000VN004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	16ch
Seagate	IronWolf Pro NAS ST12000NT001	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Seagate	IronWolf Pro NAS ST10000NT001	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Seagate	IronWolf Pro NAS ST10000NE0004	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Seagate	IronWolf Pro NAS ST10000NE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Seagate	IronWolf Pro NAS ST8000NT001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Seagate	IronWolf Pro NAS ST6000NT001	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Seagate	IronWolf Pro NAS ST4000NT001	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Seagate	IronWolf Pro NAS ST2000NT001	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Seagate	Enterprise Exos 7E8 ST8000NM000A	8TB	3.5" SATA 6Gb s	7200 rpm	PMR	8	N/A	108ch
Seagate	Enterprise Exos 7E8 ST6000NM002A	6TB	3.5" SATA 6Gb s	7200 rpm	PMR	8	N/A	108ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN01)	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN03)	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
Seagate	Enterprise Exos 7E10 ST6000NM000B	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	108ch
Seagate	Enterprise Exos X16 ST16000NM001G	16TB	3.5" SATA 6Gb s	7200 rpm	PMR	8	N/A	108ch
Seagate	Enterprise Exos X16 ST14000NM001G	14TB	3.5" SATA 6Gb s	7200 rpm	PMR	8	N/A	108ch
Seagate	Enterprise Exos X16 ST12000NM001G	12TB	3.5" SATA 6Gb s	7200 rpm	PMR	8	N/A	108ch
Seagate	Enterprise Exos X16 ST10000NM001G	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	8	N/A	108ch
Seagate	Enterprise Exos X18 ST18000NM000J	18TB	3.5" SATA 6Gb s	7200 rpm	PMR	8	N/A	108ch
Seagate	Enterprise Exos X20 ST20000NM007D	20TB	3.5" SATA 6Gb s	7200 rpm	PMR	8	N/A	108ch
Seagate	Enterprise Exos X24 ST24000NM002H	24TB	3.5" SATA 6Gb s	7200 rpm	PMR	8	N/A	108ch
Toshiba	Surveillance S300 Pro HDWTA1AUZSVA	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	36ch
Toshiba	Surveillance S300 Pro HDWTA80UZSVA	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	36ch
Toshiba	Surveillance S300 Pro HDWTA60UZSVA	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	36ch
Toshiba	Surveillance S300 Pro HDWTA40UZSVA	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	36ch
Toshiba	Enterprise MG Series MG11ACA24TE	24TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Toshiba	Enterprise MG Series MG09ACA18TE	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Toshiba	Enterprise MG Series MG09ACA16TE	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Toshiba	Enterprise MG Series MG09ACA14TE	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Toshiba	Enterprise MG Series MG09ACA12TE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Toshiba	Enterprise MG Series MG10ADA10TE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Toshiba	Enterprise MG Series MG10ADA800E	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch

Toshiba	Enterprise MG Series MG10ADA600E	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Toshiba	Enterprise MG Series MG10ADA400E	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch
Toshiba	Enterprise MG Series MG10ADA200E	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	8	N/A	72ch

Test Environment:

1. System Version: Win11 25H2
2. Software version: 5.0.0.182
3. Recording HDD Capacity: 10% reserved for loop recording
4. Recording HDD Temperature: Within 55°C
5. System Pressure: Live video streaming + 1 user playback ((Disable Windows disk indexing for the recording hard drive)
6. RAID Condition: This test was conducted under the condition that all hard drives were installed and configured as RAID 5.
7. Single Channel Streaming: H.264 4Mbps / 1080p 30FPS + 480p 15FPS; H.265 2Mbps / 1080p 30FPS + 480p 15FPS

Note: It is not recommended to continuously operate in extreme temperature environments. Operating at higher temperatures will shorten the product's lifespan.

Before Windows 10 2004 version, the total capacity with RAID 5 is supported up to 126TB.

After Windows 10 20H1 version, the total capacity with RAID 5 is supported up to 256TB.

After Windows 10 22H2 version, the total capacity with RAID 5 is unlimited. (When the hardware supports JBOD mode, up to 32 hard drives can be used as a RAID 5)

Note: it is highly recommended that the total capacity is not over 256TB due to the hard drive's rebuilding time may take long if any of the hard drives gets failure.

NAV3400AI								
Brand	Model #	Capacity	Interface	RPM Class	Format	Bay	Channel (per HDD)	Channel (RAID 5)
WD	Purple Surveillance AI WD181PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Purple Surveillance AI WD180PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Purple Surveillance AI WD121PURZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Purple Surveillance AI WD82PURZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD221PURP	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD181PURP	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD141PURP	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD121PURP	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD8001PURP	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Red Pro NAS WD121KFBX	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD102KFBX	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD8003FFBX	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD6003FFBX	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD4003FFBX	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HA210 HUS722T2TALA	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC320 HUS728T8TAL	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC320 HUS726T6TAL	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC330 WUS721010ALE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC340 WUS721208BLE	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC520 HUH721212ALE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC530 WUH721414AL	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC550 WUH721818AL	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC550 WUH721816AL	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC560 WUH721816AL	20TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC570 WUH722222AL	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD121KRYZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD102KRYZ	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD8005FRYZ(Ultrastar)	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD8004FRYZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD6003FRYZ	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD4003FRYZ	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD2005FBYZ	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	SkyHawk ST8000VX004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST16000VE000	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	SkyHawk AI ST16000VE001	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	SkyHawk AI ST16000VE002	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch

Seagate	SkyHawk AI ST14000VE0008	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	SkyHawk AI ST12000VE0008	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	SkyHawk AI ST10000VE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	SkyHawk AI ST8000VE000	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	SkyHawk AI ST18000VE002	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf NAS ST10000VN000	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf NAS ST8000VN004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST12000NT001	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NT001	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NE0004	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST8000NT001	8TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	IronWolf Pro NAS ST6000NT001	6TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	IronWolf Pro NAS ST4000NT001	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	IronWolf Pro NAS ST2000NT001	2TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos 7E8 ST8000NM000A	8TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos 7E8 ST6000NM002A	6TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN01)	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN03)	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos 7E10 ST6000NM000B	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST16000NM001G	16TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST14000NM001G	14TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST12000NM001G	12TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST10000NM001G	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X18 ST18000NM000J	18TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X20 ST20000NM007D	20TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X24 ST24000NM002H	24TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Toshiba	Surveillance S300 Pro HDWTA1AUZSVA	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA80UZSVA	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA60UZSVA	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA40UZSVA	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Enterprise MG Series MG11ACA24TE	24TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA18TE	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA16TE	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA14TE	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA12TE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA10TE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA800E	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch

Toshiba	Enteprise MG Series MG10ADA600E	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enteprise MG Series MG10ADA400E	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enteprise MG Series MG10ADA200E	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch

Test Environment:

- 1. System Version: Win11 25H2
 - 2. Software version: 5.0.0.182
 - 3. Recording HDD Capacity: 10% reserved for loop recording
 - 4. Recording HDD Temperature: Within 55°C
 - 5. System Pressure: Live video streaming + 1 user playback (Disable Windows disk indexing for the recording hard drive)
 - 6. Intel RAID: Intel Software RAID 5 is no longer recommended for use
 - 7. Single Channel Streaming: H.264 4Mbps / 1080p 30FPS + 480p 15FPS; H.265 2Mbps / 1080p 30FPS + 480p 15FPS
- Note:** It is not recommended to continuously operate in extreme temperature environments. Operating at higher temperatures will shorten the product's lifespan.

NAV16036A/B/E, NAV1072/A, NAV16072/A/B/E, NAV16108/A/B/E, NAV16630

Brand	Model #	Capacity	Interface	RPM Class	Format	Bay	Channel (per HDD)	Channel (RAID 5)
WD	Purple Surveillance AI WD181PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
WD	Purple Surveillance AI WD180PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
WD	Purple Surveillance AI WD121PURZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
WD	Purple Surveillance AI WD82PURZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
WD	WD Purple Pro(AI) WD221PURP	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
WD	WD Purple Pro(AI) WD181PURP	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
WD	WD Purple Pro(AI) WD141PURP	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
WD	WD Purple Pro(AI) WD121PURP	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
WD	WD Purple Pro(AI) WD8001PURP	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
WD	Red Pro NAS WD121KFBX	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD	Red Pro NAS WD102KFBX	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD	Red Pro NAS WD8003FFBX	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD	Red Pro NAS WD6003FFBX	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD	Red Pro NAS WD4003FFBX	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD(HGST)	Ultrastar DC HA210 HUS72T2TALA	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	64ch
WD(HGST)	Ultrastar DC HC320 HUS728T8TAL	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD(HGST)	Ultrastar DC HC320 HUS726T6TAL	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD(HGST)	Ultrastar DC HC330 WUS721010ALE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD(HGST)	Ultrastar DC HC340 WUS721208BLE	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD(HGST)	Ultrastar DC HC520 HUH721212ALE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
WD(HGST)	Ultrastar DC HC530 WUH721414AL	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD(HGST)	Ultrastar DC HC550 WUH721818AL	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD(HGST)	Ultrastar DC HC550 WUH721816AL	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD(HGST)	Ultrastar DC HC560 WUH721816AL	20TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD(HGST)	Ultrastar DC HC570 WUH722222AL	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD	Gold Enterprise WD121KRYZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD	Gold Enterprise WD102KRYZ	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD	Gold Enterprise WD8005FRYZ(Ultrastar)	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD	Gold Enterprise WD8004FRYZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD	Gold Enterprise WD6003FRYZ	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD	Gold Enterprise WD4003FRYZ	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
WD	Gold Enterprise WD2005FBYZ	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Seagate	SkyHawk ST8000VX004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	25ch
Seagate	SkyHawk AI ST16000VE000	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Seagate	SkyHawk AI ST16000VE002	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Seagate	SkyHawk AI ST14000VE0008	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch

Seagate	SkyHawk AI ST12000VE0008	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Seagate	SkyHawk AI ST10000VE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Seagate	SkyHawk AI ST8000VE000	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Seagate	SkyHawk AI ST8000VE001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Seagate	SkyHawk AI ST18000VE002	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Seagate	IronWolf NAS ST10000VN000	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	25ch
Seagate	IronWolf NAS ST8000VN004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	25ch
Seagate	IronWolf Pro NAS ST12000NT001	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
Seagate	IronWolf Pro NAS ST10000NT001	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
Seagate	IronWolf Pro NAS ST10000NE0004	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
Seagate	IronWolf Pro NAS ST10000NE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
Seagate	IronWolf Pro NAS ST8000NT001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
Seagate	IronWolf Pro NAS ST6000NT001	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
Seagate	IronWolf Pro NAS ST4000NT001	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
Seagate	IronWolf Pro NAS ST2000NT001	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	72ch
Seagate	Enterprise Exos 7E8 ST8000NM000A	8TB	3.5" SATA 6Gb s	7200 rpm	PMR	16	N/A	128ch
Seagate	Enterprise Exos 7E8 ST6000NM002A	6TB	3.5" SATA 6Gb s	7200 rpm	PMR	16	N/A	128ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN01)	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN03)	10B	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Seagate	Enterprise Exos 7E10 ST6000NM000B	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Seagate	Enterprise Exos X16 ST16000NM001G	16TB	3.5" SATA 6Gb s	7200 rpm	PMR	16	N/A	128ch
Seagate	Enterprise Exos X16 ST14000NM001G	14TB	3.5" SATA 6Gb s	7200 rpm	PMR	16	N/A	128ch
Seagate	Enterprise Exos X16 ST12000NM001G	12TB	3.5" SATA 6Gb s	7200 rpm	PMR	16	N/A	128ch
Seagate	Enterprise Exos X16 ST10000NM001G	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	16	N/A	128ch
Seagate	Enterprise Exos X18 ST18000NM000J	18TB	3.5" SATA 6Gb s	7200 rpm	PMR	16	N/A	128ch
Seagate	Enterprise Exos X20 ST20000NM007D	20TB	3.5" SATA 6Gb s	7200 rpm	PMR	16	N/A	128ch
Seagate	Enterprise Exos X24 ST24000NM002H	24TB	3.5" SATA 6Gb s	7200 rpm	PMR	16	N/A	128ch
Toshiba	Surveillance S300 Pro HDWTA1AUZSVA	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Toshiba	Surveillance S300 Pro HDWTA80UZSVA	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Toshiba	Surveillance S300 Pro HDWTA60UZSVA	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Toshiba	Surveillance S300 Pro HDWTA40UZSVA	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	36ch
Toshiba	Enterprise MG Series MG11ACA24TE	24TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Toshiba	Enterprise MG Series MG09ACA18TE	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Toshiba	Enterprise MG Series MG09ACA16TE	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Toshiba	Enterprise MG Series MG09ACA14TE	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Toshiba	Enterprise MG Series MG09ACA12TE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Toshiba	Enterprise MG Series MG10ADA10TE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Toshiba	Enterprise MG Series MG10ADA800E	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch

Toshiba	Enterprise MG Series MG10ADA600E	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Toshiba	Enterprise MG Series MG10ADA400E	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch
Toshiba	Enterprise MG Series MG10ADA200E	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	16	N/A	128ch

Test Environment:

1. System Version: Win11 25H2
 2. Software version: 5.0.0.182
 3. Recording HDD Capacity: 10% reserved for loop recording
 4. Recording HDD Temperature: Within 55°C
 5. System Pressure: Live video streaming + 1 user playback ((Disable Windows disk indexing for the recording hard drive)
 6. RAID Condition: This test was conducted under the condition that all hard drives were installed and configured as RAID 5.
 7. Single Channel Streaming: H.264 4Mbps / 1080p 30FPS + 480p 15FPS; H.265 2Mbps / 1080p 30FPS + 480p 15FPS
- Note: It is not recommended to continuously operate in extreme temperature environments. Operating at higher temperatures will shorten the product's lifespan.

Before Windows 10 2004 version, the total capacity with RAID 5 is supported up to 126TB.

After Windows 10 20H1 version, the total capacity with RAID 5 is supported up to 256TB.

After Windows 10 22H2 version, the total capacity with RAID 5 is unlimited. (When the hardware supports JBOD mode, up to 32 hard drives can be used as a RAID 5)

Note: it is highly recommended that the total capacity is not over 256TB due to the hard drive's rebuilding time may take long if any of the hard drives gets failure.

NAV5004F/EF, NAV5108AI/EAI, NTS1004/E, NTS1006/E

Brand	Model #	Capacity	Interface	RPM Class	Format	Bay	Channel (per HDD)	Channel (RAID 5)
WD	Purple Surveillance AI WD181PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Purple Surveillance AI WD180PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Purple Surveillance AI WD121PURZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Purple Surveillance AI WD82PURZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD221PURP	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD181PURP	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD141PURP	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD121PURP	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	WD Purple Pro(AI) WD8001PURP	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
WD	Red Pro NAS WD121KFBX	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD102KFBX	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD8003FFBX	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD6003FFBX	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD	Red Pro NAS WD4003FFBX	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HA210 HUS722T2TALA	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC320 HUS728T8TAL	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC320 HUS726T6TAL	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC330 WUS721010ALE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
WD(HGST)	Ultrastar DC HC520 HUH721212ALE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	25ch
WD(HGST)	Ultrastar DC HC530 WUH721414AL	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC550 WUH721818AL	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC550 WUH721816AL	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC560 WUH721816AL	20TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD(HGST)	Ultrastar DC HC570 WUH722222AL	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD121KRYZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD102KRYZ	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD8005FRYZ(Ultrastar)	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD8004FRYZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD6003FRYZ	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD4003FRYZ	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
WD	Gold Enterprise WD2005FBYZ	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	SkyHawk ST8000VX004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	3ch	6ch
Seagate	SkyHawk AI ST16000VE000	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST16000VE002	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST14000VE0008	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST12000VE0008	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch

Seagate	SkyHawk AI ST10000VE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST8000VE000	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST8000VE001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	SkyHawk AI ST18000VE002	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	IronWolf NAS ST10000VN000	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	IronWolf NAS ST8000VN004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Seagate	IronWolf Pro NAS ST12000NT001	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NT001	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NE0004	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST10000NE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST8000NT001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST6000NT001	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST4000NT001	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	IronWolf Pro NAS ST2000NT001	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	6ch	16ch
Seagate	Enterprise Exos 7E8 ST8000NM000A	8TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos 7E8 ST6000NM002A	6TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN01)	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN03)	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	Enterprise Exos 7E10 ST6000NM000B	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST16000NM001G	16TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST14000NM001G	14TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST12000NM001G	12TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X16 ST10000NM001G	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X18 ST18000NM000J	18TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X20 ST20000NM007D	20TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Seagate	Enterprise Exos X24 ST24000NM002H	24TB	3.5" SATA 6Gb s	7200 rpm	PMR	3	9ch	25ch
Toshiba	Surveillance S300 Pro HDWTA1AUZSVA	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA80UZSVA	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA60UZSVA	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Surveillance S300 Pro HDWTA40UZSVA	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	4ch	9ch
Toshiba	Enterprise MG Series MG11ACA24TE	24TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA18TE	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA16TE	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA14TE	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG09ACA12TE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA10TE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA800E	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enterprise MG Series MG10ADA600E	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch

Toshiba	Enteprise MG Series MG10ADA400E	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch
Toshiba	Enteprise MG Series MG10ADA200E	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	3	9ch	25ch

Test Environment:

- 1. System Version: Win11 25H2
 - 2. Software version: 5.0.0.182
 - 3. Recording HDD Capacity: 10% reserved for loop recording
 - 4. Recording HDD Temperature: Within 55°C
 - 5. System Pressure: Live video streaming + 1 user playback (Disable Windows disk indexing for the recording hard drive)
 - 6. Intel RAID: Intel Software RAID 5 is no longer recommended for use
 - 7. Single Channel Streaming: H.264 4Mbps / 1080p 30FPS + 480p 15FPS; H.265 2Mbps / 1080p 30FPS + 480p 15FPS
- Note:** It is not recommended to continuously operate in extreme temperature environments. Operating at higher temperatures will shorten the product's lifespan.

NAV24036A/B, NAV24072/A/B/E, NAV24108C/E, NAV1108/A/B/C, NAV1128D, NAV24630/A

Brand	Model #	Capacity	Interface	RPM Class	Format	Bay	Channel (per HDD)	Channel (RAID 5)
WD	Purple Surveillance AI WD181PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
WD	Purple Surveillance AI WD180PURZ	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
WD	Purple Surveillance AI WD121PURZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
WD	Purple Surveillance AI WD82PURZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
WD	WD Purple Pro(AI) WD221PURP	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
WD	WD Purple Pro(AI) WD181PURP	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
WD	WD Purple Pro(AI) WD141PURP	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
WD	WD Purple Pro(AI) WD121PURP	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
WD	WD Purple Pro(AI) WD8001PURP	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
WD	Red Pro NAS WD121KFBX	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
WD	Red Pro NAS WD102KFBX	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
WD	Red Pro NAS WD8003FFBX	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
WD	Red Pro NAS WD6003FFBX	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
WD	Red Pro NAS WD4003FFBX	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
WD(HGST)	Ultrastar DC HA210 HUS722T2TALA	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	64ch
WD(HGST)	Ultrastar DC HC320 HUS728T8TAL	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
WD(HGST)	Ultrastar DC HC320 HUS726T6TAL	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
WD(HGST)	Ultrastar DC HC330 WUS721010ALE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
WD(HGST)	Ultrastar DC HC520 HUH721212ALE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
WD(HGST)	Ultrastar DC HC530 WUH721414AL	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD(HGST)	Ultrastar DC HC550 WUH721818AL	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD(HGST)	Ultrastar DC HC550 WUH721816AL	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD(HGST)	Ultrastar DC HC560 WUH721816AL	20TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD(HGST)	Ultrastar DC HC570 WUH722222AL	22TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD	Gold Enterprise WD121KRYZ	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD	Gold Enterprise WD102KRYZ	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD	Gold Enterprise WD8005FRYZ(Ultrastar)	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD	Gold Enterprise WD8004FRYZ	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD	Gold Enterprise WD6003FRYZ	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD	Gold Enterprise WD4003FRYZ	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
WD	Gold Enterprise WD2005FBYZ	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Seagate	SkyHawk ST8000VX004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	25ch
Seagate	SkyHawk AI ST16000VE000	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Seagate	SkyHawk AI ST16000VE002	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Seagate	SkyHawk AI ST14000VE0008	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Seagate	SkyHawk AI ST12000VE0008	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch

Seagate	SkyHawk AI ST10000VE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Seagate	SkyHawk AI ST8000VE000	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Seagate	SkyHawk AI ST8000VE001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Seagate	SkyHawk AI ST18000VE002	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Seagate	IronWolf NAS ST10000VN000	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	25ch
Seagate	IronWolf NAS ST8000VN004	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	25ch
Seagate	IronWolf Pro NAS ST12000NT001	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
Seagate	IronWolf Pro NAS ST10000NT001	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
Seagate	IronWolf Pro NAS ST10000NE0004	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
Seagate	IronWolf Pro NAS ST10000NE0008	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
Seagate	IronWolf Pro NAS ST8000NT001	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
Seagate	IronWolf Pro NAS ST6000NT001	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
Seagate	IronWolf Pro NAS ST4000NT001	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
Seagate	IronWolf Pro NAS ST2000NT001	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	72ch
Seagate	Enterprise Exos 7E8 ST8000NM000A	8TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos 7E8 ST6000NM002A	6TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN01)	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos 7E10 ST10000NM017B (SN03)	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos 7E10 ST6000NM000B	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Seagate	Enterprise Exos X16 ST16000NM001G	16TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos X16 ST14000NM001G	14TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos X16 ST12000NM001G	12TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos X16 ST10000NM001G	10TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos X18 ST18000NM000J	18TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos X20 ST20000NM007D	20TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Seagate	Enterprise Exos X24 ST24000NM002H	24TB	3.5" SATA 6Gb s	7200 rpm	PMR	24	N/A	128ch
Toshiba	Surveillance S300 Pro HDWTA1AUZSVA	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Toshiba	Surveillance S300 Pro HDWTA80UZSVA	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Toshiba	Surveillance S300 Pro HDWTA60UZSVA	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Toshiba	Surveillance S300 Pro HDWTA40UZSVA	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	36ch
Toshiba	Enterprise MG Series MG11ACA24TE	24TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Toshiba	Enterprise MG Series MG09ACA18TE	18TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Toshiba	Enterprise MG Series MG09ACA16TE	16TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Toshiba	Enterprise MG Series MG09ACA14TE	14TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Toshiba	Enterprise MG Series MG09ACA12TE	12TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Toshiba	Enterprise MG Series MG10ADA10TE	10TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Toshiba	Enterprise MG Series MG10ADA800E	8TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Toshiba	Enterprise MG Series MG10ADA600E	6TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch

Toshiba	Enterprise MG Series MG10ADA400E	4TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch
Toshiba	Enterprise MG Series MG10ADA200E	2TB	3.5" SATA 6Gb s	7200 rpm	CMR	24	N/A	128ch

Test Environment:

1. System Version: Win11 25H2

2. Software version: 5.0.0.182

3. Recording HDD Capacity: 10% reserved for loop recording

4. Recording HDD Temperature: Within 55°C

5. System Pressure: Live video streaming + 1 user playback ((Disable Windows disk indexing for the recording hard drive)

6. RAID Condition: This test was conducted under the condition that all hard drives were installed and configured as RAID 5.

7. Single Channel Streaming: H.264 4Mbps / 1080p 30FPS + 480p 15FPS; H.265 2Mbps / 1080p 30FPS + 480p 15FPS

Note: It is not recommended to continuously operate in extreme temperature environments. Operating at higher temperatures will shorten the product's lifespan.

Before Windows 10 2004 version, the total capacity with RAID 5 is supported up to 126TB.

After Windows 10 20H1 version, the total capacity with RAID 5 is supported up to 256TB.

After Windows 10 22H2 version, the total capacity with RAID 5 is unlimited. (When the hardware supports JBOD mode, up to 32 hard drives can be used as a RAID 5)

Note: it is highly recommended that the total capacity is not over 256TB due to the hard drive's rebuilding time may take long if any of the hard drives gets failure.