

How to Test a Uniview NVR's Hard Disk?





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Description

Note: This method is applicable to most of the scenarios, if the method still cannot solve your problem, it is recommended to consult our Tech Support Team. <u>https://global.uniview.com/Support/Service_Hotline/</u>

Operating Steps

Method 1 Check from the NVR's Web Interface

Step 1 Log into the NVR's web interface.

Step 2 Check HDD status under Setup>Hard Disk>Hard Disk

Note: Recordings may not be properly displayed if the hard disk is abnormal.

Client	¥	Hard	Disk								
System	⊌	Rafe	arb A	dd Format							
Camera	¥		No.	Total(GB)	Free(GB)	Status	Type	Usage	Property	Configure	Operat
Hard Disk	~		1	911.26	0.00	Normal	Local Disk	Recording/Snapshot	Read/Write		-
Array		1	2	0.00	0.00	No Disk	Local Disk	Recording/Snapshot	-	-	-
Hard Disk		12	3	0.00	0.00	No Disk	Local Disk	Recording/Snapshot			
Disk Group			4	0.00	0,00	No Disk	Local Disk	Recording/Snapshot			-
Allocate Space		61	5	0.00	0.00	No Disk	Local Disk	Recording/Snapshot		-	
Advanced			6	0.00	0.00	No Disk	Local Disk	Recording/Snapshot			-
		(1)	7	0.00	0.00	No Disk	Local Disk	Recording/Snapshot		-	-
Alarm	×		В	0.00	0.00	No Disk	Local Disk	Recording/Snapshot			
Alert	8										
Network	v										
Platform	~										
User	v										
Maintenance	V										
Backup	¥										

Step 3 Do the S.M.A.R.T test under Setup>Maintenance>HDD>S.M.A.R.T Test.

unv		📮 Live View 💷	Playback Ó Setup	上 Smart			- Starley		admin Logout		
Client	~	S.M.A.R.T. Test	Bad Sector Detect								
iystem	V										
amera		Continue to Use	On Off Continue to use the disk	when it fails to pass evak	ation.						
and Disk		Select Disk	Slot 1 V								
ard Disk	~	Test Type	Short 🗸	Short							
larm	V	SMART	Test								
lort	¥	amperin	1051								
letwork		Test Status	Not tested								
		Manufacturer	WDC								
Platform V		Model	WDC WD1003F8YX-01V781								
		Firmware Version	01.01V02								
laintenance	1	Disk Temperature("C)	41								
Log		Operation Time(day)	591								
Online User		Self-Evaluation	Pass								
Network Info		Overall Evaluation	Healthy	1							
Camera											
Recording		ID	Attribute Name	Status	Flag	Value	Worst	Threshold	Raw Value		
Smart Bar Info		1	Raw_Read_Error_Rate	Healthy	0x002f	200	200	51	0		
Maintenance		3	Spin_Up_Time	Healthy	0x0027	170	167 100	21	4483		
One CEck Collect		4	Start_Stop_Count	Healthy	0x0032	100		0	604		
CHIE-CICK Collect		5	Reallocated_Sector_Count	Healthy	0x0033	200	200	140	0		
ackup	¥	7	Seek_Error_Rate	Healthy	0x002e	200	200	0	0		
		9	Power_On_Hours	Healthy	0x0032	81	81	0	14186		
		10	Spin_Retry_Count	Healthy	0x0032	100	100	0	0		



Step 4 Do the Bad Sector Detect test under **Setup>Maintenance>HDD>Bad Sector Detect**.

บทิง	[💻 Live View 💷 Playback 🌞 Setup 🎝 Smart
Client	~	S.M.A.R.T. Test Bad Sector Detect
System	~	
Camera	~	Select Disk
Hard Disk	~	Detect Type Key Area
Alarm	~	Detect Stop Error Info
Alert	~	Normal
Network	~	
Platform	*	
User	~	
Maintenance	~	
Log • HDD Online User Network Info Camera		HDD Capacity:931.51GB Block Capacity:596.17MB
Recording		Status:Detection completed
Smart Bar Info Maintenance One-Click Collect		Error Count:0
Backup	~	

Method 2 Check from the NVR's GUI/Console

Step 1 Log into the NVR on the monitor.

Step 2 Check the status of the hard disks of the NVR under **Menu>Storage>Hard disk**.

					Storage					
Γh	Recording									
Camera		No.	Total(GB)	Free(GB)	Status	Туре	Usage	Property	Configure	Operate
	Snapsnot		911.26	0.00	Normal	Local	Recording/Snapshot	Read/Write		
\odot	Array		0.00	0.00	No Disk		Recording/Snapshot			
VCA	Hard Disk		0.00	0.00	No Disk	Local	Recording/Snapshot			
Æ			0.00	0.00	No Disk		Recording/Snapshot			
Network	Disk Group		0.00	0.00	No Disk	Local	Recording/Snapshot			
	Allocate Space		0.00	0.00	No Disk		Recording/Snapshot			
 			0.00	0.00	No Disk	Local	Recording/Snapshot			
	Advanced		0.00		No Disk		Recording/Snapshot			
▶ Backup										
George										
<u>Alarm</u>										
Naintain										
		Refresh	Add							



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Step 3 Do the S.M.A.R.T test under **Menu>Maintenance>HDD>S.M.A.R.T Test.**

				Maintain						
	System Info	SMART, Test Bad Sector Dete								
لن Camera	Network Info	Continue to use the								
		Select Disk	Slot1							
\odot		Test Type	Short							
VCA		Test Status	IShort		Disk Ter	nperature(°C)				
-	Backup	Vendor	Extended	Extended		Operation Time(day)				
\oplus	Restore	Model	Conveyance 01.01V02		Self-Evaluation Overall Evaluation		Pass			
Network		Firmware Version					Healthy			
ŝ	Auto-Function	ID Attribute pame				Threshold	Value	Worst	Raw Value	
(Q)	Upgrade	1 Raw_Reag_Erro	1 Raw_Read_Error_Rate 3 Spin_Ug_Time		0x002f	51	200	200		
System		3 Spin_Up_Time			0x0027				4450	
বি	HDD	4 Start_stop_Cou	nt	Healthy	0×0032		100	100	554	
Backup	Privacy Policy	5 Realfocated_Se	ctor_Count	Healthy	0x0033	140	200	200		
		7 Seex_Error_Rat	e	Healthy	0x002e		200	200		
Storage										
Alarm		 								
R										
Maintain										
and the second s		1								
		Test Ap	ply Exit							

Step 4 Do the Bad Sector Detect test under **Menu>Maintenance>HDD>Bad Sector Detect.**



S.M.A.R.T. is a system that monitors the internal information of your hard drive, also written as Self-Monitoring, Analysis, and Reporting Technology. S.M.A.R.T. should be able to tell you if your hard drive or solid-state drive is about to stop working.

The bad sectors will cause important data loss and blue screen error sometimes, and even slow the disk speed.