

Backup Device List Report

Version 1.8
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1 Overview

This document is to provide the backup device model and LCD list that is compatible with the DH-DVR.

2 Environments

Working temperature: Normal

Program version: 2.605, 3.605, 2.606, 3.606

DVR (SATA): xx04GBU, xx04HBU, xx04LBU, xx04LK-S, xx04LS-S, xx04LL-, xx04LN-S, xx04AL-SD, xx04AG-S(D), xx04AH-S(D).

Other devices: PC, camera and monitor.

3 Backup Device

3.1 Flash disk

Device list	Brand	Model	Capacity	Note
U 盘	SanDisk	Red capsicum	4G	After the corresponding backup test, the compatibility is sound.
	Lexar	Lexar	256MB	The DVR can not detect the flash disk after reboot without removing the flash disk. This environment occurs frequently.
	Netac	U208	4G	sandisk flash disk: It can quickly detect Sandisk 2GB(dual-subarea: Flash disk area+virtual CD_ROM) . It takes two minutes to detect the Sandisk 8GB(Dual subareas) After rebooted the DVR, if we connect the Sandisk 8GB(dual subareas) first, system can quickly detect. But it takes two minutes to detect Sandisk 2GB(dual-subarea: Flash disk area+virtual CD_ROM) . There is other error information. Mainly it says it has detected the SATA backup device but actually, there is no such device at all. You need to reboot the DVR to clear the detection information.
	SanDisk	cruzer mirco	2G	
			8G	
	Kingston	Data Traveler	1G	
			16GB	
			32GB	
Aigo	L8315	16GB	It works properly on the N5 and N51 devices.	

	Sandisk	250	16GB	It works properly on the N5 and N51 devices.
	Kingston	Data Traveler Locker+	32GB	Right now the product does not support the encryption flash disk.
	Netac	U228	8GB	There are two areas: one is encrypted and the other is general. The product can support the general flash disk. It does not support the encryption flash disk.

3.2 SD Card

Device list	Brand	Standard	Capacity	Card type	Note
SD card	Transcend	SDHC6	16GB	Large card	1、The SD cards on the left pane can work properly with the DVR when using SSK SD/MMC Card Reader. 2、Some Kingston SDHC series reader can not work properly with the SD cards on the left pane. The DVR often can not detect the card.
	Kingston	SDHC4	4GB	Large card	
		SD	2GB	Large card	
		SD	1GB	Large card	
	Sandisk	SDHC2	8GB	Small card	
		SD	1GB	Small card	

3.3 Portable Disk

Model: 1604GBU

Applications: General_DVRxx04GB-U_Chn_P_V3.605.0000.2.R.20081014

Results: It has the sound compatibility. The detection, erase, backup, playback of the file is OK and it can detect the portable disk after the reboot.

Device list	Brand	Model	Capacity	Note
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Portable disk	YD star	YD star HDD box	40G	<p>1、Format the YD star 40G device on the PC. The system is NTFS and capacity is 37.2G. The DVR can detect 33.34GB/37.2GB. Format it to FAT32 and capacity is 37.2GB/37.2GB.</p> <p>2、Format the Netac 80G device on the PC. The system is NTFS and the capacity is 74.52G. The DVR can detect 33.34GB/74.52GB. Format it to FAT32 and the capacity is 74.52GB/74.52GB.</p> <p>3、The portable disk works properly after it format on the DVR.</p> <p>4、It has the sound compatibility. The detection, erase, backup, playback of the file is OK.</p>
	Netac	Netac	80G	
	Iomega	Iomega RPHD-CG" RNAJ50U287	250GB	It works properly on the N5 and N51 devices.
	WD Elements	WCAVY1205901	1.5TB	It works properly on the N5 and N51 devices.
	Newmy	newmy	320GB	It works properly on the N5 and N51 devices.
	WD Elements	WDBAAR5000ABK-00	500GB	It works properly on the N5 and N51 devices.
	WD Elements	WDBAAU0015HBK-00	1.5TB	It works properly on the N5 and N51 devices.
	Seagate	FreeAgent Go(ST905003F)	500GB	It works properly on the N5 and N51 devices.
	Aigo	H8169	500GB	It works properly on the N5 and N51 devices.
<p>Note:</p> <p>1、If there are several sub-areas on the portable disk (Such as 1,2,3,4),The DVR detects as 4,3,2,1. For the Config Import/Export interface, there are only two sub-areas. The device can just detect the 4, 3.</p> <p>2、Since there is sub-area sequence problem, please save the upgrade file in the initial</p>				

sub-area which the DVR can detect (for example the sub-area 4.). If the upgrade file is in sub-area 1, system may fail to open the upgrade file.

3.4 USB DVD Burner

Device List	Brand	Model	Note
USB DVD Burner	Sony	DRX-S70U	1、 The DVR works properly with the following brands: MAXELL DVD+R、 MAXELL DVD-R、 SONY DVD+R、 SONY DVD-R、 Mitsubishi 6X DVD+RW、
	Benq	TW200D	

3.5 SATA DVD Burner

Device List	Brand	Model	Note
SATA DVD Burner	Pioneer	DVR-215CHG	The DVR works properly with the following brands: MAXELL DVD+R、 MAXELL DVD-R、 SONY DVD+R、 SONY DVD-R、 Mitsubishi 6X DVD+RW.
	Panasonic	SW-9588-C	
	Samsung	TS-H653	
	Sony	DRU-V200S	1、 We use the 606 baseline applications on the GBU,LBU ,HBU, LKS. 2、 We do not recommend the LG burner. The DVR says there is backup error even after the reboot.
	Sony	DRU-845S	
	Samsung	TS-H653	
	Pioneer	DVR-217CHG	
	LG	GH22NS30	

3.6 HDD

Device list	Brand	HDD series	Model	Capacity	Note
SATA HDD	Seagate	Barracuda	ST31000340AS	1T	1、 During the half month test, it can works properly with 0804HBU, 0804GBU, 1604LK-S. But there is an error with the 1604LBU: The DVR can detect the HDD after the format but can not find the records. The HDD
		ES.2			
		SV35.2	ST3750640SV	750G	

					information displays the HDD record initial time is updating. It seems it is erasing while recording. This HDD can work with the 1604LBU after it backups on other DVRs.
		SV35.2	ST3320320SV	320G	2、 The Seagate ST3750640SV 750G HDD can work properly with the LBU and HBU. The detection, format, long-time backup and search are all OK. Please note we do not test the hot-swap operation.
		SV35.2	ST3500630SV	500G	
		SV35.3	ST3250310SV	250G	
		SV35.3	ST3750330SV	750G	
		Barracuda 7200.11	ST31500341AS	1.5T	The detection, format, backup, overwrite and search are all OK. Please note we do not test the hot-swap operation.
		Barracuda ES.2	ST3500320NS	500G	During the one month test, it can work properly with LE-A, HE-T. The stability and the function test are OK. The HDD overwrite, record and playback are OK.
		Barracuda ES.2	ST31000340NS	1T	
					We use the 1604GBU and 606 baseline applications to test for four months. The stabilities are OK including the HDD detection, backup record data, overwrite sequence

	Western Digital				and playback.
		SV35.3	ST31000340SV	1T	
		Pipeline HD.2	ST3250312CS	250G	The stability test is OK. During the two months test, the detection, backup, format, overwrite, search are all OK.
			ST3500414CS	500G	
			ST31000424CS	1T	
			ST3320311CS	320G	
		SV35.5	ST3250311SV	250G	We use the 20 HDDS on the HE-T. During the 10 days test, the HDD is OK.
			ST3500410SV	500G	We use ten HDD on the HE-U for ten days, the HDDs work properly.
			ST31000525SV	1TB	During the 20 days test, we use four HDDs on the LE-S, two HDDs on the AG-H and AS-H respectively; the HDDs are all work properly. The record search and playback are OK.
			ST310005258V	1TB	During the five-month stability test on the HE-T and LE-A, the HDDs work properly. The Search and playback functions are OK.
		CE series	WD5000AVJS	500G	These four brands have the sound stability on the 0804HBU、0804GBU、1604LBU、1604LK-S.
			WD3200AVJS	320G	
			WD2500AVBS	250G	
		RE2 series	WD7500AYYS	750G	

		RE series	WD5000ABYS	500G	<p>These two brands HDD works properly when detect, format and long-time backup and search. Please note we do not test the hot-swap operation.</p>
		CE series	WD10EVCS	1T	
		Caviar Green series	WD20EADS	2T	<p>During the 4 HDDs 3-month on the 1604GBU (2837 chip, 3.606—090320 baseline applications) , the HDD can work properly.</p>
			WD15EADS	1.5TB	<p>We use the 1604LSS(2837 chip, 2.606—090512 baseline)to test 8 HDDS for nearly 4-month, the overwrite test is OK. System works properly (never go down or reboot.)</p>
		Western Digital (For DVR use only)	WD10EVVS-63M5B0	1TB	<p>We test the 8 HDDS on the HE-U for 2 months, the HDD overwrite function is OK.</p>
			WD20EVDS-63T3B0	2TB	<p>We use the 8 HDDs on the N5 series product to test the stability and on the HE-U to test the function for 2 months, the HDD overwrite function is OK.</p>
			WD15EVDS-63V9B0	1.5TB	<p>We test the 8 HDDS on the N5 series product</p>

		Western Digital unknown series			(1U/1.5U/2U)for 1 month, the HDD overwrite function is OK.
			WD10EVVS WD AV-GP	1TB	We test the Le-A, HE-T series product for one and a half month to test the stability and the function. The HDD overwrite, record and play are all OK.
			WD5000AVVS-63M8BO	500GB	We test the Le-A, HE-T series product for one and a half month to test the stability and the function. The HDD overwrite, record and play are all OK.
		Western Digital	WD20EURS-63Z9B1	2TB	For over 2 months test, the N5 series baseline (such as HE-T) stability is OK. The HDD overwrite function is OK, record search and playback are all proper.
	Western Digital	WD10EURS-630AB1	1TB	During the 2 months test, the HDD works properly on the LE-U, HE-T, LE-A series product. The record search, playback is OK.	
	SAMSUNG	Spinpoint F1 CE	HA751LJ	750G	1、 It can work on the 0804HBU、 0804GBU、 1604LBU、 1604LK-S. The record file may lose after shut down and boot up the DVR manually. 2、 This brand is not popularly used in the daily work. There is no relative report from other

					sources.
			HA101UJ/CE	1TB	The HDD detection, format and long-time backup and search are proper. Please note we do not test the hot-swap function.
			HD103SI/CE	1TB	During the 3 months test, we test the 8 HDDs on the HE-T, LE-A, LE-S, all works properly.
			HD154UI/CE	1.5TB	During the two months test on the HE-T and LE-A, the HDD works properly.
	HITACHI	Cinema	HCS545050GLA380	500GB	1、 The HDD has the sound stability when testing on the 1604GBU for half-month. 2、 The detection, format and long-time backup and search are all OK. Please note we do not test the hot-swap function.
			HCP725050LA380	500GB	1、 The following ten series product has the sound stability with Cinema and Deskstar: 0404AH-SD、 0404AG-SD、 0404AL-SD、 0404FD-S、 1604L(L)-S、 0804L(K)-S、 0404L(S)-S、 1604LB-U、 0404GB-U、 0804HB-U. 2、
		Deskstar	HDS721010KLA330	1TB	

					<p>We do not recommend the 500GB and 1TB Hitachi HDD for LN series product (such as 0404LN-S、0404LND-S、0404LNM-S)since the DVR can not find the record HDD when the DVR boots up.</p> <p>3、</p> <p>We do not recommend the 500GB Cinema HDD for the NVS user (DH-NVS0x04E(C)-312、DH-NVS0101EC-S、DH-NVS0101E(B)-S)since the NVS can not detect HDD at the Web HDD information interface and can not record. For the 1TB HDD, it works properly.</p> <p>During the one and the half month test, we test the stability and function on the LE-A and HE-T. The HDD overwrite, record and play are all OK.</p>
		HITACHI unknown series	HCT721010SLA360	1TB	
		HITACHI	HCS5C1050CLA382	500GB	During the two mouths test, the HDD works properly on the HE-T and LE-A series product.
		HITACHI	HCS5C1050CLA382	1TB	During the two mouths test, the HDD works properly on the HE-T and LE-A series product.
		HITACHI	HCS721010CLA332	1TB	During the four mouths test, the HDD works properly on the HE-T and LE-A series product.

4 Display Output Device

4.1 LCD

Compatible device:: xx04LL-S, xx04LN—S, decode card.

Device List	Brand	Model	Size	Note
LCD	BenQ	G900HD	19" Wide-screen	
	BenQ	T2200HD	22" Wide-screen	
	BenQ	ET-0007-TA	19" Wide-screen	
	BenQ	FP91G+	19"	
	BenQ	G900WD	19" Wide-screen	There are 0.5cm black margin on each side after the setup.
	BenQ	T900HD	19" Wide-screen	Our local branch test is OK.
	Lenovo	L194WD	19" Wide-screen	
	ASUS	VW193D-B	19" Wide-screen	Our client says it is OK. It can display the full screen.
	AOC	916S	19"	Our local branch test is OK.
	Samsung	940N+	19"	One of our engineer says: 1、 For Samsung, BenQ, DELL, please click the auto button to adjust automatically. 2、 For Lenovo, please click the default button to adjust automatically. 3、 For BenQ and DELL, sometimes there are 8mm margin after clicking the auto button, please set manually. 4、 The TV monitor has the sound stability with the DVR. The TV Adjust interface in the DVR menu can adjust the window position manually. Here we test the Samsung. 5、 Some brands in the list on the left pane may not work properly with the ATM. Please contact us to get the library to upgrade.
	Samsung	225BW	22" Wide-screen	
	Samsung	T240	24" Wide-screen	
	Samsung		TV	
	BenQ	FP737s	17"	
	BenQ	FP71G	17"	
	BenQ	FP71G+		
	BenQ	ET-0007-TA	19" Wide-screen	
	BenQ	FP91G+	19"	
	lenovo	LX-GJ556D	15"(CRT)	
	lenovo	LXB-L17C	17"	
lenovo	LXH-GJ17L3	17"		
DELL	E178FP(REV-A00)	17"		
DELL	E178FP(REA-A02)	17"		
DELL	E198WFP	19"		

			Wide-screen	
	Philips	107P5	17"(CRT)	

5 Switcher

Device List	Brand	Model	Network working mode	DVR network transmission 【Test device: 1604GBU; Test application: 606 baseline; Encode setup: Full HD1,25f/s, 1024kbps; LAN: PC+switcher+DVR】
Switcher	D-Link	DES-1016D	10/100M self-adaptive	For the 16-channel monitor during the one hour: 16-channel is synchronizing basically; the delaying time is less than 1 second.
	D-Link	DES-1008D	10/100M self-adaptive	For the 16-channel monitor during the one hour: 16-channel is synchronizing basically; the delaying time is less than 1 second.
	Ruijie	RG-S1926S	There are five network modes: 1、AUTO 2、HALF-10M 3、FULL-10M 4、HALF-100M 5、FULL-100M	1、AUTO and HALF-100M mode: For the 16-channel monitor during the one hour: 16-channel is synchronizing basically; the delaying time is less than 1 second. 2、FULL-100M mode: The DVR is offline. The PC can not connect to the DVR.
	H3C	H3C-S1024	10/100M self-adaptive	For the 16-channel monitor during the one hour: 16-channel is synchronizing basically; the delaying time is less than 1 second.
	TP-LINK	TL-SF1016	10/100M self-adaptive	For the 16-channel monitor during the one hour: 16-channel is synchronizing basically; the delaying time is less than 1 second.
	TP-LINK	TL-SF1008+	10/100M self-adaptive	For the 16-channel monitor during the one hour: 16-channel is synchronizing basically; the delaying time is less than 1 second.

6 Wireless Mouse

Device List	Brand	Model	Usage	Note
Wireless Mouse	Xuntuo	V80	1、 Hand feeling: The wireless mouse is small for the man. It will be better if its size becomes larger. 2、 Appearance: The appearance and the color is both general. 3、 Sensitivity: It has the sound sensitivity. It is the same as the mouse with the wire. 4、 Accurate positioning: It can position accurately. But the user needs to click the On/Off button several times to begin operation after the DVR reboot.	Shortcomings: The wireless receiver sometimes may become lost when you forgot to remove it from the DVR. Advantages: It can use freely during the specified ranges since there is no cable connection.
	Rapoo	3500	1、 Hand feeling: The hand touch is not so good since it is flat. You need to get used to it. 2、 Appearance: The appearance and color are both OK. The appearance is good. 3、 Sensitivity: The sensitivity is not so good when the wireless receiver connected to the rear panel. But the user needs to click the On/Off button several times to begin operation after the DVR reboot. It works properly when connect the wireless receiver to the front panel. 4、 Accurate positioning: The position may offset or floating when connecting the wireless receiver to the rear panel. Its positioning is good when connecting the wireless receiver to the front panel.	
	Logitech	M215	1、 Hand feeling: The wireless mouse is small for the man. It will be better if its size becomes larger. 2、 Appearance; The appearance and the color is both general. 3、 Sensitivity: It has the sound sensitivity. It is the same as the mouse with the wire. 4、 Accurate positioning: It can position accurately.	
	A4Tech	Tianyao G7-630	1、 Hand feeling: The hand feeling is good. 2、 Appearance: The appearance and the color are both attractive. 3、 Sensitivity: It has the higher sensitivity than the mouse connected to the DVR with the wire.	

			4、 Accurate positioning: It can position accurately.	
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Note

- This user's manual is for reference only.
- If there is any uncertainty or controversy, please refer to the final explanation of ours.
- Please visit our website for more information.