

NEXTO VIDEO STORAGE-Air NVS2825

Portable Memory card Backup Storage



Korean Patent No. 0445182
U.S. Patent No. US7,447,853 B2



KEY FEATURES

Backup from various memory cards

- SxS PRO / SxS PRO+ / SxS-1
- P2 / P2E
- CF
- SDHC/SDXC
- CFast (Sold separately)

Preview A/V over Wi-Fi

- Play video with audio on your iPad

Supports file size larger than 4GB

- Supported file system: exFAT / FAT32 / UDF / HFS+

Preview video on color LCD and play audio via audio-out port

- XAVC 2K / 4K
- MPEG2 full HD 4:4:4 / 4:2:2 / 4:2:0
- PRORES
- AVC-Intra 100/50
- H.264
- AVCHD
- DNxHD
- DV / DVCPRO HD

Video format checker

- Check the video file format before memory card copy

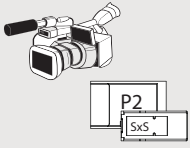
Generate LOG file on every NVS operation

- Calculation of the CRC(Cyclic Redundancy Check) code for each file during copy and store to the LOG file
- "NxCrCChecker" program check if the video file is changed from its original copy

NVS2825 Workflow

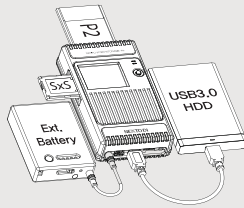
Shoot

Take a card out & insert it to NVS2825



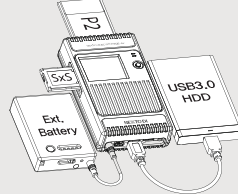
Make Footage Secured

Simultaneously backup to two drive



Verify stored data

H/W based bit by bit data verification



Preview with audio on built in color LCD.



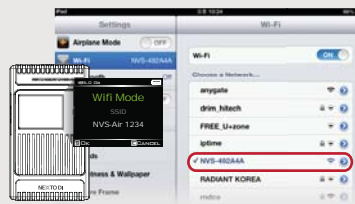
Preview at bigger screen



LOG history check with CRC

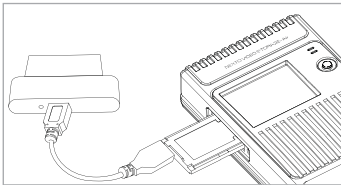


Through the Wi-Fi



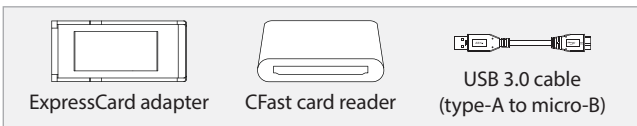
Advanced Features at V1.30

Added support for the CFast card

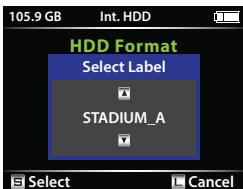


With the CFast package (sold separately), NVS2825 supports footage from cameras using CFast memory card such as ARRI AMIRA.

CFast Package (Sold separately)

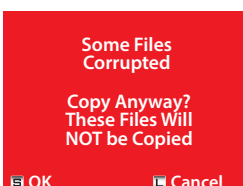


Drive name



Choose unique drive name during Hard Drive format for easier management of multiple NVS2825. User selected drive name persists over the hard drive format.

Video format checker



Check the video file format before memory card copy and let users know if there are errors on it. Users can select to skip copying files with errors to care about the incomplete video file from the video camera (such as an shortage on battery).

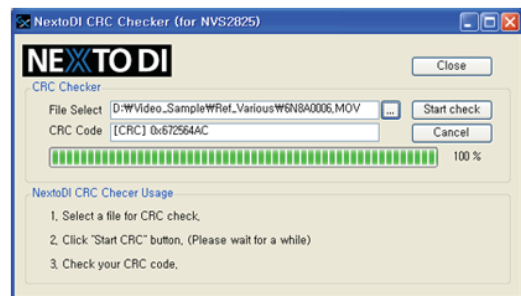
Bypass copy mode

If the internal Hard Drive is full, bypass internal drive then copy to external Hard Drive only.

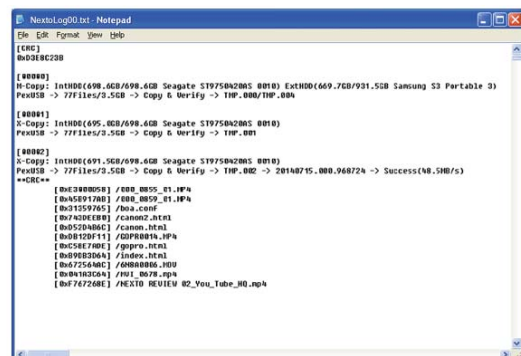
CRC protected copy

NVS2825 calculates the CRC(Cyclic Redundancy Check) code for each file during the memory card copy and stores it to the LOG file. Users can use "NxCrcChecker" program provided by NextoDI to check if the video file is changed from its original copy or not.

NxCrcChecker program

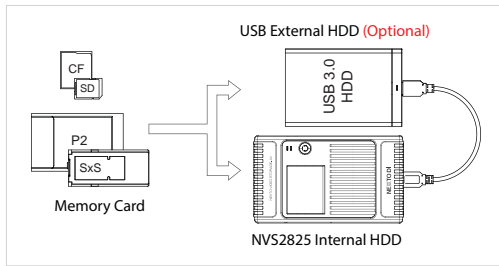


LOG file



1. The most safe way to backup your data

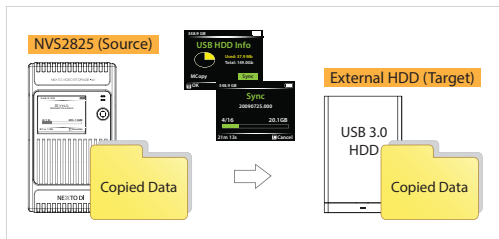
Make simultaneous two identical copies of your data with parallel processing



M-Copy ("Multi-Copy") enables to make two true copies simultaneously from a memory card. Making two copies mean you never lose your data. When copy to a single drive or to two separate drives takes equal the lengths of backup time with parallel processing.

Memory card	Speed (MB/s)	Run time (32GB)
SxS	90MB/s	6m 2s
P2	70MB/s	7m 30s
XQD	90MB/s	6m 2s
CF	80MB/s	6m 40s
SDHC/SDXC UHS-1	60MB/s	8m 53s

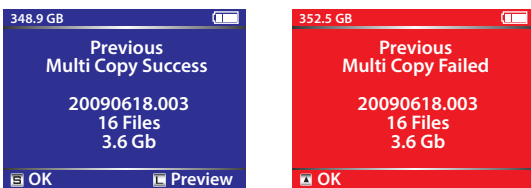
Synchronize data from NVS2825 to an external drive ("Sync"), incremental copy supported



User can offloading data from NVS2825 to an external drive without a computer. Each time you plug in an external drive, NVS2825 offloads only the data that changed since the last backup. NVS2825 checks files by names, sizes and create time to find the changed files.

2. Success (or Failure) feedback

After backup success, NVS2825 switched off automatically after few seconds to save battery power. Next time user switch on the device, it displays backup result from the previous operation.



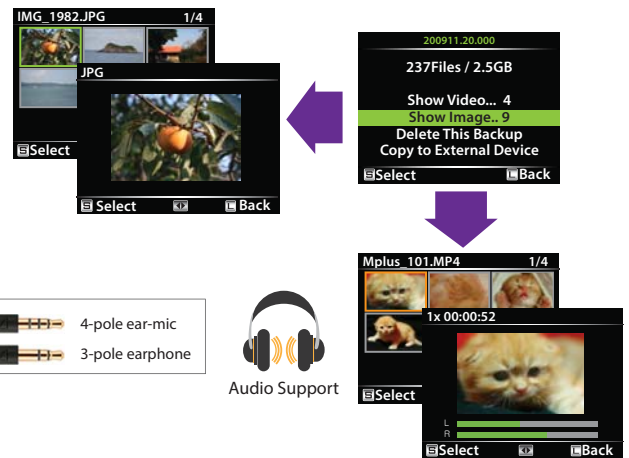
During the boot sequences, NVS2825 displays a warning if there were any bad sectors detected on the internal drive.



3. Preview Video with sound

User can preview video (or photo) files as thumbnail or a single file view on built-in color LCD. Stereo audio output also supported with a 3.5mm headphone jack on the bottom of NVS2825.

Preview clips supported from internal drive or external devices (SxS / P2 / CF / SDHC / SDXC / USB3.0 drive).



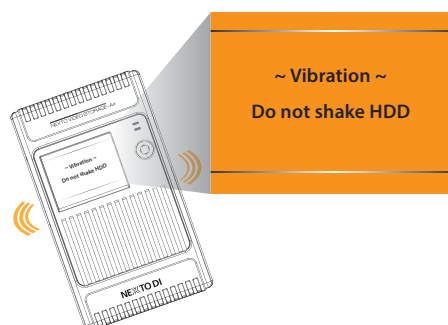
4. H/W based bit by bit data verification

Each time you insert a memory card, NVS2825 compares files by names, sizes and create time. Showing "Verify" instead of "Copy" when NVS2825 already have same data inside. This feature comes very useful and handy tools to prevent human mistakes from erasing memory cards without backing up, especially when you have many memory cards.



5. Motion sensor

The embedded motion sensor detects vibrations that can cause damage to internal hard drive. NVS2825 displays a warning message on LCD when it detects shake or shock motion. It also cut-off power before it hits the ground when it detects dropping motion to protect the internal hard drive.



6. Generating Log File

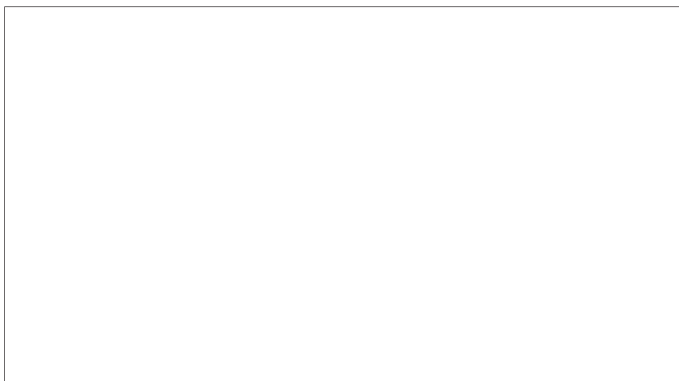
To keep track of backup history, NVS2825 generates CRC protected LOG file. Each time when "X-Copy /M-Copy /Verify /Sync" or "Wi-Fi (includes Export)", NVS2825 adds new log line to [nextoLog.txt] in a user readable file. You can find the LOG file under root folder of both internal and external drives.

7. Supports file size larger than 4GB

NVS2825 formats its internal drive in exFAT file system so there is no file size limit of the standard FAT32 file system. NVS2825 supports FAT32, UDF or exFAT formatted memory cards that covers most of video cameras.

Technical Specifications

Device	NEXTO DI VIDEO STORAGE-Air (NVS-Air)	
Model Number	NVS2825 (NVS2825S: SSD / NVS2825H: HDD)	
LCD	2.4" Color TFT LCD : 320*240, 64K color	
Video Preview	CODEC: MPEG2 / XAVC(2K,4K) / AVC-INTRA / AVCHD / H.264 / PRORES / DNxHD / DV File : MXF / MP4 / MOV / MTS / AVI / DV	
Audio	Head Phone jack. Support playing PCM Audio in Video file	
Supported Memory Card	SxS	ExpressCard/34 Compatible, Follows SxS Spec.
	CardBus Memory Card	Supports CardBus Memory Card (including P2/P2E Card)
	CF (Adapter)	Through CF to ExpressCard Adapter
	SD (Adapter)	Through SD to ExpressCard Adapter SD / SDHC / SDXC High speed UHS-1 compatible
External Hard drive Support	USB3.0 : 5Gbit/sec, USB2.0: 480Mbit/sec	
Battery	Internal : 3.7V 4400mAH rechargeable Li-Poly battery * Rechargeable by AC adapter, USB cable, FireWire800 cable (9-9pin), and Car charger External : 3.7V 6600mAH rechargeable Li-Ion battery * Rechargeable by AC adapter	
AC power adapter	Input : 100-240VAC Output : 12V/2A DC	
Bus power operation	Operates with USB bus power or FireWire800 cable power	
Computer Interface	USB3.0: 5Gbit/sec, IEEE1394b(FireWire800): 800 Mbit/sec, USB2.0: 480Mbit/sec	
File system format	Hard drive : exFAT Memory cards : FAT32, exFAT, UDF, HFS+	
OS Compatibility	Windows 8 / Windows 7 / VISTA SP1 / XP SP2 or later MAC OS 10.6.6 or later	
Wi-Fi connection	802.11b/g/n 54Mbps. Pre-editing through App. / Web Browser	
Dimensions	154mm * 91mm * 33mm / 430g (with Hard drive)	
Contents	NVS2825 Main unit / CF adapter / SD adapter / Manual / AC power adapter / USB3.0 cable / FireWire800 cable (IEEE1394b, 9-9pin) / Leather case / Rubber bumpers / External rechargeable battery	



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