

Serious gear for data recovery professionals



DeepSpar Disk Imager (*Forensic Edition*)



Disk imaging: the heart of 3D Data Recovery

Disk imaging is the critical second phase of the 3D Data Recovery process, after drive restoration, but before final data retrieval.

As a forensics or data recovery professional, you know how important it is to work from an accurate, stable drive image. Unfortunately, traditional disk imaging tools are designed to deal with intact drives, not the unstable ones that are your stock-in-trade. Drives stop responding, disks degrade or fail under intensive reading, valuable files remain locked in bad sectors. The result: wasted effort, lost time, unknown integrity of imaged sectors, and worse, lost data.

DeepSpar Disk Imager is the first dedicated imaging device built to handle disk-level problems.

Want more from your imaging tools?

“We’ve tried every combination of hardware and software for imaging disks. DeepSpar Disk Imager tops them all.”

*David Scheufler
Cherry Systems
USA*

“The DeepSpar Disk Imager works fast, and it images disks that other imaging software would kill.”

*Dave Nago
Senior DR Engineer
USA*

Frustrated that drives repeatedly stop responding during imaging? Most software-only disk imaging products are not equipped to reset or repower the drive when it clicks or stops responding. DeepSpar Disk Imager can shut down and reboot the drive itself if errors occur to continue the imaging process.

Losing drives to degradation and failure? If you’re not using the proper tools, your drive is working too hard. DeepSpar Disk Imager preconfigures the drive for lighter operations and uses significantly fewer resources so that the drive remains alive and well until all data is imaged. Configure your parameters to maximize the efficiency of each pass, by specifying which sectors to process and what read command to apply.

Leaving data behind in bad sectors? Most tools skip bad sectors because they systematically execute the same read command against all sectors, good and bad. DeepSpar Disk Imager reads data from sectors with errors and if required processes each byte in a sector, ignoring Error Correction Code (ECC). Our imaging software responds appropriately to sectors with different errors and uses probability to determine correct data values.

Wasting time with fruitless processing?

If a tool can’t reset or abort processing when a sector takes too long to read, it can spend days grinding down sectors with multiple read attempts that don’t retrieve any data. DeepSpar Disk Imager uses sector read timeout control to identify problematic sectors for recovery on later passes (if required).

Wondering about the quality of your data while imaging is underway? With traditional methods, you don’t know whether you’ve recovered any good data until the imaging process is complete. DeepSpar Disk Imager provides status information on the fly, identifying which sectors have been read, the read method used, and any errors that occurred. This map is stored on the destination drive so that you can perform multi-pass imaging to target specific errors and sectors to retrieve more data on later passes. As a forensics investigator you also have integrity status of each sector on the image.

To facilitate real-time data evaluation a hex representation of sectors’ data appears onscreen, with a count of the most common file types that have been imaged so far.

DeepSpar Disk Imager

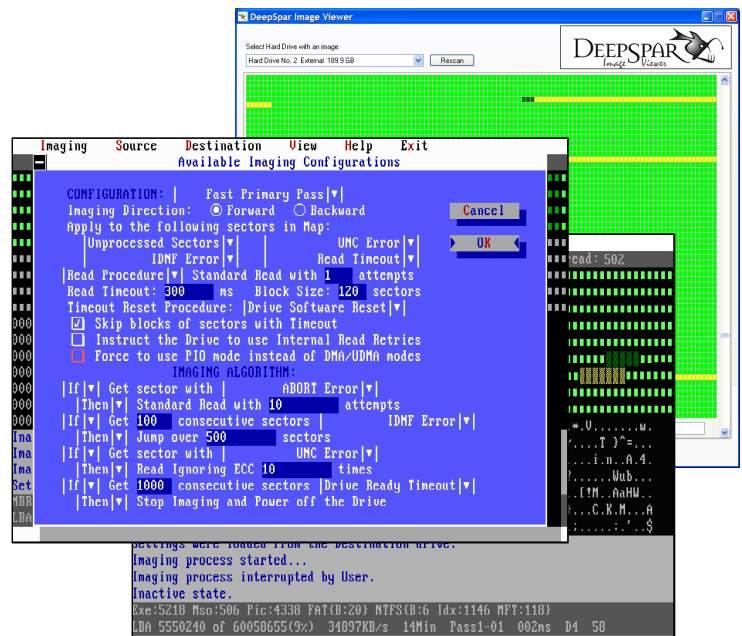
With DeepSpar Disk Imager, forensics and data recovery professionals finally have an imaging tool that will greatly increase recovered data and improve efficiency.



DeepSpar Disk Imager kit includes:

- DeepSpar Disk Imager device
- External Power Supply Unit
- SATA and 2.5" hard drive adapters
- USB flash memory card reader
- IDE, SATA and power cables
- USB user interface cable (to PC)
- Instruction manual
- One-year full warranty

Configuration and Status screens: DeepSpar Disk Imager allows you to fine tune the imaging process for greater speed and accuracy, and also gives you live feedback as imaging progresses.



Key Features

- 1 IDE, 2 SATA and 1 USB interfaces
- Sector-to-sector data recovery hard drive imaging (bypassing BIOS/OS)
- Device-to-drive or device-to-file cloning of hard drives or USB mass storage devices, e.g. USB keys or Flash Memory Cards
- Simultaneous imaging/cloning to two destination drives (1-to-2)
- System logging to a flash memory card
- User interface options: keyboard & monitor, PC connected via USB, or one button interface
- Configuration, sector map and log stored on destination drive in HPA (imaging can be interrupted and continued with no data loss)
- Imaging/Cloning with a maximum drive speed, i.e. up to 4.5 GB/min
- Turn off bad sector auto-relocation (G-list remapping) and SMART operations
- Real-time data evaluation and MD5 computing
- Read ignoring sector errors and Error Correction Codes (retrieve bad sectors)
- Multi-pass imaging (apply different imaging algorithms each time)
- Drive express diagnostics and ability to reset or repower the drive
- Access to HPA and DCO hidden areas

"DeepSpar Disk Imager does exactly what it says - but quicker than you ever thought possible. If you don't have it then you will get left behind in this increasingly competitive market."

*Mike Montgomery
MJM Data Recovery
UK*

"This is a really great product. I love the fact that it maps scanned sectors and remembers just where you left off if the process is interrupted. The DeepSpar Imager does a better job of imaging and recovers more data than any other product or process in my arsenal."

*Jon Yaeger
Data Savers, LLC
USA*

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