

The premier future-proof and scalable digital forensic imaging platform for streamlining collection processes



- Image E01 from SAS-3 SSD to SAS-3 SSD at up to 115GB/min
- Clone PCIe to PCIe at speeds exceeding 100GB/min
- Wipe PCIe drives at speeds up to 115GB/min
- Supports up to 10 source and 11 destination ports
- Support for AFF4 Capture (Forthcoming)
- Multi-task. Image from up to 5 sources simultaneously; Support for 4 SAS/SATA source drives are included with a 4-in-1 SAS/SATA cable
- All USB-A ports are 10Gbps
- 12Gbps SAS-3 support
- Image to/from Thunderbolt™ 3/USB-C external storage enclosures with an optional I/O card
- Standard Cloud Storage Acquisition software provides convenient capture of OneDrive, Google Drive, and Dropbox files
- Create a logical image targeting specific user/data files
- Concurrent Image+Verify greatly reduces duration of image plus verification process
- Two 10GbE connections provide fast network imaging performance
- Network capture feature to capture network traffic, VOIP, internet activity
- Capture from mobile devices including Apple® iPhones, iPads, Android phones and tablets with optional renewable software package

FEATURES

- The Falcon®-NEO2 achieves E01 imaging from SAS-34 SSD to SAS-3 SSD at speeds up to **115GB/min**. Clone PCIe to PCIe at speeds exceeding **100GB/min**.
- **Image and verify to multiple image formats;** native copy, .dd, dmg, e01 and ex01. The Falcon-NEO2 provides MD5, SHA1, SHA256, and dual hash authentication at extremely fast speeds.
- **10 write-blocked source ports** include 4 SAS/SATA drives supported with 1 port, 2 USB 3.2 (Gen 2), 1 PCIe, 2 I/O ports for use with optional I/O cards including Thunderbolt™ 3/USB-C, 10GbE
- **11 destination ports** include 4 SAS/SATA drives supported with 1 port, 4 USB 3.2 (Gen 2) and 1 PCIe and 1 I/O port for use with optional I/O cards including Thunderbolt 3/USB-C, 10GbE
- **Concurrent Image+Verify.** Imaging and verifying concurrently takes advantage of destination hard drives that may be faster than the source hard drive. Duration of total image+verify process time may be reduced by up to half.
- **Targeted/Logical Imaging shortens acquisition time.** Create a logical image by using pre-set, custom, or file signature filters, and/or keyword search function to select and acquire only the specific files you need. Format output to L01, LX01, ZIP or directory tree.
- **Cloud Storage Acquisition** (now included as a standard feature) allows you to acquire files from OneDrive, Dropbox, or Google Drive. Capture to any destination drive or network repository connected to Falcon-NEO2.
- Capture critical digital evidence from **mobile devices, including Apple® iPhones and Android phones** with an optional renewable software subscription. Capture SMS, MMS, photos, videos. Supports up to iOS version 16.x and Android 4.0 and up.
- Whole disk and partition level **encryption detection.** Easily identify Source drives with possible encryption.
- Image directly to/from **Thunderbolt™ 3/USB-C, USB 3.1 Gen 2 external drives and enclosures** with an optional I/O card. Organizations can take advantage of Thunderbolt 3 technology's fast transfer speeds when imaging directly to large capacity Thunderbolt 3 RAID storage enclosures for evidence data collection. The card connects to the Falcon-NEO2's 2 write-blocked source I/O ports or 1 destination I/O port. The I/O card does not currently support imaging in TDM from Mac® systems, refer to the Falcon-NEO2 users' manual on how to image from Mac systems in TDM using USB ports or our iSCSI boot device.
- **Two 10GbE network ports** provide fast network imaging performance. Image to/from a network repository using CIFS or iSCSI. Connect to a 10GbE NAS as a source and connect to a network using the 2nd 10GbE port to minimize bottlenecks. Two ports provide a secure method to isolate the source network/NAS from the destination NAS/network.
- **Parallel Imaging.** Perform multiple imaging tasks from the same source drive to multiple destinations using different imaging formats.
- **Image from a Mac® computer with USB-C ports** using a USB-C to USB-A cable and Target Disk Mode or use Logicube's USB boot device to image a source drive from a Mac computer on the same network without booting the Mac computer's native OS. The Falcon-NEO2 supports imaging from **MacBook Pro® systems**.
- **Image from a PC or laptop without removing hard drives.** Create a forensic bootable USB flash drive to image a source drive from a computer on the same network without booting the computer's native OS. Supports **Surface Pro 4 and above** laptops.
- **File Browser/Write-Blocked Drive Preview.** Provides logical access to source or destination drives and network repositories connected to Falcon-NEO2. View the drive's partitions and contents and view text files, jpeg, PDF, XML, HTML files. View the contents of .dd, e01, ex01, dmg, L01 image files created by Falcon-NEO2. Preview on a PC/laptop or over a network via SMB or as an iSCSI target.
- **Multi-Task.** Image from multiple sources to multiple destinations, including a network repository, simultaneously. Image to one destination while hashing and/or wiping a second drive at the same time. Perform up to 5 tasks concurrently.



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FEATURES (continued)

- **Capture path selection.** Add folders to the destination repository and then select and image to the named folder. Empty folders can be deleted, and folders can be renamed.
- **APFS Support.** The Falcon-NEO2 supports logical imaging (using our File to File mode) from drives formatted to APFS (Apple® File System). Requires use of Advanced set-up, reference our users' manual for complete information. The Falcon-NEO2 can also view and browse APFS files using our file browser feature.
- **Built-in support for SAS/SATA/USB3/PCIe storage devices.** Optional adapters, cards, or modules are available for Thunderbolt™ M.2 (NVMe or SATA), IDE, flash drives, SCSI, and FireWire®, and Fibre Channel
- **Format destination drives to NTFS, exFAT, HFS+, EXT4, EXT3, EXT2, or FAT32 file systems.** Image from source drives formatted to any major file system.
- **BitLocker, OPAL, VeraCrypt, and TrueCrypt Decryption Support.** Decrypt partitions or drives (requires the recovery key or password) and then image the selected partitions or drives. A password or a newly generated BEK (BitLocker Encryption Key) file is required to unlock FIPS-compliant BitLocker encryption.
- **Secure sensitive evidence data** with whole drive, open standard drive encryption using the NIST recommended **XTS-AES 256 cipher mode.** Decryption can be performed using the Falcon-NEO2 or by using open-source software programs such as VeraCrypt, TrueCrypt or FreeOTFE.
- **Network Capture.** Capture network traffic, internet activity, and VOIP. Sniff data on a network and store captured packets on a hard drive connected to Falcon-NEO2, data is saved to a .pcapng file format.
- **Wipe drives to DoD specifications** or use secure erase to wipe drives. Wipe at speeds of 30 GB/min for SATA drives and up to **115GB/min for PCIe drives.**
- **Audit trail/Log files** provide detailed information on each operation. Log files can be viewed on Falcon-NEO2 or via a web browser, exported to XML, HTML or PDF format to a USB enclosure.
- **Additional features** include remote operation, internal removable storage drive for secure/classified locations, partition imaging, a task macro, a resume feature for interrupted tasks, image restore, reverse read, network "Push" feature, HPA/DCO capture, save configuration settings and set password-protected user profiles, image from CD/DVD Blu-Ray media, drive spanning, color touchscreen display, HDMI port, USB 3.2 ports for keyboard, mouse, or printer, blank disk check, drive trim, and S.M.A.R.T. data.

OPTIONS

- **Thunderbolt/USB-C I/O card:** An optional I/O card supports imaging directly to/from Thunderbolt 3/USB-C and USB 3.1 Gen 2 external drives and storage enclosures. The card connects to either of the 2 write-protected source I/O ports or 1 destination I/O port.
- **FireWire Module:** The FireWire Module connects to either of the PCIe ports and can provide 1 write-protected FireWire source or destination port.
- **SCSI Module:** The SCSI Module connects to either of the PCIe ports and can provide 1 write-protected 68-pin SCSI source or destination port. Optional adapters are available for 50-pin and 80-pin SCSI drives.
- **Fibre Channel Module:** The Fibre Channel Module connects to either of the PCIe ports and provides support for imaging to or from one 40-pin Fibre Channel drive. An additional kit is available to allow cloning to and from two 40-pin Fibre Channel drives.
- **PCIe adapter kit** includes adapters for M.2 PCIe, M.2 SATA, M.2 NVMe, mSATA, PCIe, and mini-PCIe cards
- **Mobile Device Capture Option:** This optional renewable software subscription expands the functionality of the Forensic Falcon®-NEO2 with a convenient method to quickly acquire potential evidence data from mobile devices including Apple® iPhones, iPads, Android phones and tablets.
- USB Flash Reader
- USB3 to SATA adapter
- USB SATA Kit Includes 4 USB3 to SATA adapters and a specialty single power cable for converting the four USB Destination ports from USB to SATA.
- 4-port USB 3.0 hub
- 2.5"/3.5" IDE to SATA adapter
- 1.8" IDE to ZIF and ZIF to SATA adapter
- Falcon-NEO2 hard case only (with laser-cut foam)
- mSATA to SATA adapter (1 included with Falcon-NEO2)
- Micro SATA to SATA adapter (1 included with Falcon-NEO2)
- eSATA cable (1 included with Falcon-NEO2)
- 4-in-1 SATA/SAS data & power replacement cable
- 50-pin to 68-pin SCSI adapter for use with the Falcon-NEO2 SCSI Module Option
- 80-pin to 68-pin SCSI adapter for use with the Falcon-NEO2 SCSI Module Option

IN THE BOX

The Falcon-NEO2 is shipped in a soft-sided carrying case that includes:

- Power supply & US power cord
- 2 1-to-4 SAS/SATA data & power cables
- 2 CAT7 network cables
- eSATA to SATA cable
- mSATA to SATA adapter
- Micro SATA to SATA adapter
- USB 3.0 male type A to USB 3.1 male type C cable

SPECIFICATIONS

Power Requirements	Power Consumption	Operating Temperature	Relative Humidity	Net Weight	Dimensions	Agency Approvals
12V DC, grounded 21A	250W	0 to 40° C (32 to 104° F)	20% to 80%	3.35 lbs 1.52 kg	10" X 6.75" X 3.25" 254 mm X 171.45 mm X 82.55 mm	RoHS Compliant

