FORENSIC Falcon® NEO2

The Premier Future-Proof and Scalable Digital Forensic Imaging Platform for Streamlining Collection Processes

- Built-In, native SAS-3 (12 Gbps) support for 4 Source and 4 Destination ports; total of 10 Sources and 11 Destinations
- VICS Data Compliant; Import and Triage of VICS Hash Databases
- NEW: Import/convert VICS, Comma Separated Value, and X-Ways hash databases using the Graphical User Interface (GUI) for Triage
- NEW: Support for Non-Logicube-formatted destination drives
- Support for Multi-Factor Authentication (MFA) to network repositories
- Concurrent Image+Verify, a Logicube invention since 2013
- Thumbnail viewing of images in built-in file browser for easier triage
- Support for AFF4 Physical and Logical drive captures
- Support for Thunderbolt-3 drives on Source and Destination; 40 Gbps
- 2 USB 3.2 Gen 2 (10 Gbps) Source ports and 4 USB 3.2 Gen 2 (10 Gbps) Destination ports
- SSD Imaging at speeds up to 115 GB/min; PCIe cloning exceeding 100 GB/min
- 5-to-5 simultaneous independent NVMe drive Source to Destination captures
- Standard and built-in Mobile Device and Cloud Storage acquisition support
- Multi-task. Image and Hash from up to 5 sources simultaneously
- 2x 10 GbE ports allows capture to/from network locations with support for CIFS/iSCSI, network traffic, VOIP, and Internet activity

FEATURES

- **VICS Data Compliant.** Import VICS Hash Databases and triage source drive files against the VICS Hash Databases.
- **10 write-blocked source ports** include **4 NATIVE SAS/SATA** drives supported through 4-in-1 SAS cable, 2 USB 3.2 (Gen 2), 1 PCIe, 2 I/O ports for use with optional Thunderbolt™ 3/USB-C module, 10 GbE.
- **11 destination ports** include **4 NATIVE SAS/SATA** drives supported through 4-in-1 SAS cable, 4 USB 3.2 (Gen 2) and 1 PCIe, and 1 I/O port for use with optional Thunderbolt 3/USB-C module, 10GbE.
- Support for **non-Logicube-formatted destination drives**
- **Triage now supports VICS, Comma Separated Value, and X-Ways hash databases.** Import and convert using the GUI for Triage.
- **Multi-Factor Authentication (MFA)** to network repositories. Utilize a YubiKey 5 FIPS series of authenticators to securely connect to a shared Active Directory network resource.
- **Thumbnail view** of source drive images using the built-in File Browser.
- **AFF4 support** for both **physical and logical imaging.** Image source drives to AFF4 (Advanced Forensic File Format 4), an open-source format for digital evidence and data.
- **Concurrent Image+Verify** 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. **A Logicube invention since 2013.**
- The Falcon®-NEO2 achieves E01 imaging from SAS-3 SSD to SAS-3 SSD at speeds up to **115 GB/min.** Clone PCIe to PCIe at speeds exceeding **100 GB/min**.
- **Multi-Tasking:** Image, wipe, and hash with multiple sources and multiple destinations, simultaneously**. Perform up to 5 imaging, hashing, and wiping tasks concurrently.**
- **Cloud Storage Acquisition,** a standard feature, allows you to acquire files from OneDrive, Dropbox, or Google Drive.
- **Mobile Device Capture,** a standard feature allows capture of critical digital evidence from mobile devices, including Apple iPhones and Android phones. Capture SMS, MMS, photos, and videos. Supports up to iOS version 26.x and Android 4.0 and up
- **Parallel Imaging** images from the same source to two or more destinations using different imaging formats. **A Logicube feature since 2013.**
- **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.
- **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.
- Image directly to/from **Thunderbolt™ 3/USB-C**, **USB 3.1 Gen 2 external drives and enclosures** with an optional I/O card. Take advantage of Thunderbolt 3 technology's fast transfer speeds when imaging directly to 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.
- **APFS support.** The Falcon-NEO2 supports logical imaging from drives formatted to APFS (Apple File System). The Falcon-NEO2 can also view and browse APFS files using our file browser feature **Image and verify to multiple image formats** including native copy, .dd, dmg, e01 and ex01. The Falcon-NEO2 provides MD5, SHA1, SHA256, and dual hash authentication at extremely fast speeds.
- **File Browser/Write-Blocked Drive Preview** provides logical access to source or destination drives and network connected repositories. 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. **Thumbnail view** of image files is now available.

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FEATURES (continued)

- **Targeted/Logical Imaging** may shorten acquisition time 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.
- Whole disk and partition level **encryption detection**. Easily identify Source drives with possible 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.
- **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.
- **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.
- **Audit trail/log reports** provide detailed information on each task. A digital signature is included in the report for authentication purposes. Reports are available in PDF, HTML, or XML format and users can export individual or all log reports to a USB flash drive.
- **Wipe feature** lets users choose from Secure Erase, DoD wipe, and custom pass settings. Complies with NIST 800-88 guidelines. User selectable option to verify wipe pass value during the wipe process. Wipe at speeds of up to 30GB/min for SATA drives and up to **115GB/min for PCIe drives.**
- Format destination drives to **NTFS, exFAT, HFS+, EXT4, EXT3, EXT2, or FAT32** file systems. Image from source drives formatted to any major file system.
- **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.
- **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 (40 Gbps) or USB-C (10 Gbps) 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.
- **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.
- **FireWire Module:** The FireWire Module connects to either PCIe port and can provide 1 write-protected FireWire source or destination port.
- PCIe adapter kit for M.2 (NVMe/SATA/AHCI) and mini-PCIe cards.
- U.2 NVMe to PCIe adapter
- M.2 NVMe to USB adapter
- mSATA to SATA adapter (included)
- Micro SATA to SATA adapter (included)
- eSATA cable (included)
- 2.5"/3.5" IDE to SATA adapter
- 1.8" ZIF to 1.8" IDE and 1.8" IDE 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
- USB to SATA adapter allows you to connect SATA drives to the USB 3.0 ports
- 4-port USB 3.0 hub
- USB Flash Reader for various flash media including compact flash and SD cards
- 4-in-1 SAS/SATA data & power replacement cable
- Extended 1-year and 2-year warranties
- Hard Case
- 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 4-in-1 SAS/SATA data & power cables
- 2 CAT7 network cables
- eSATA 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	Net Weight	Dimensions	Agency Approvals
12V DC, grounded 21A	250W	0 to 40° C (32 to 104° F)	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 FCC Part 15 Class A CE

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