# Insight Forensic 2.0

**The first and only forensic data acquisition tool that works with both good and damaged media.**

## Damaged drive support

- In-depth automated drive diagnostics

- Multi-pass imaging of damaged drives

- Automated imaging of freezing media

- Bad sector recovery

- Segmented hashing for bad drive's image verification

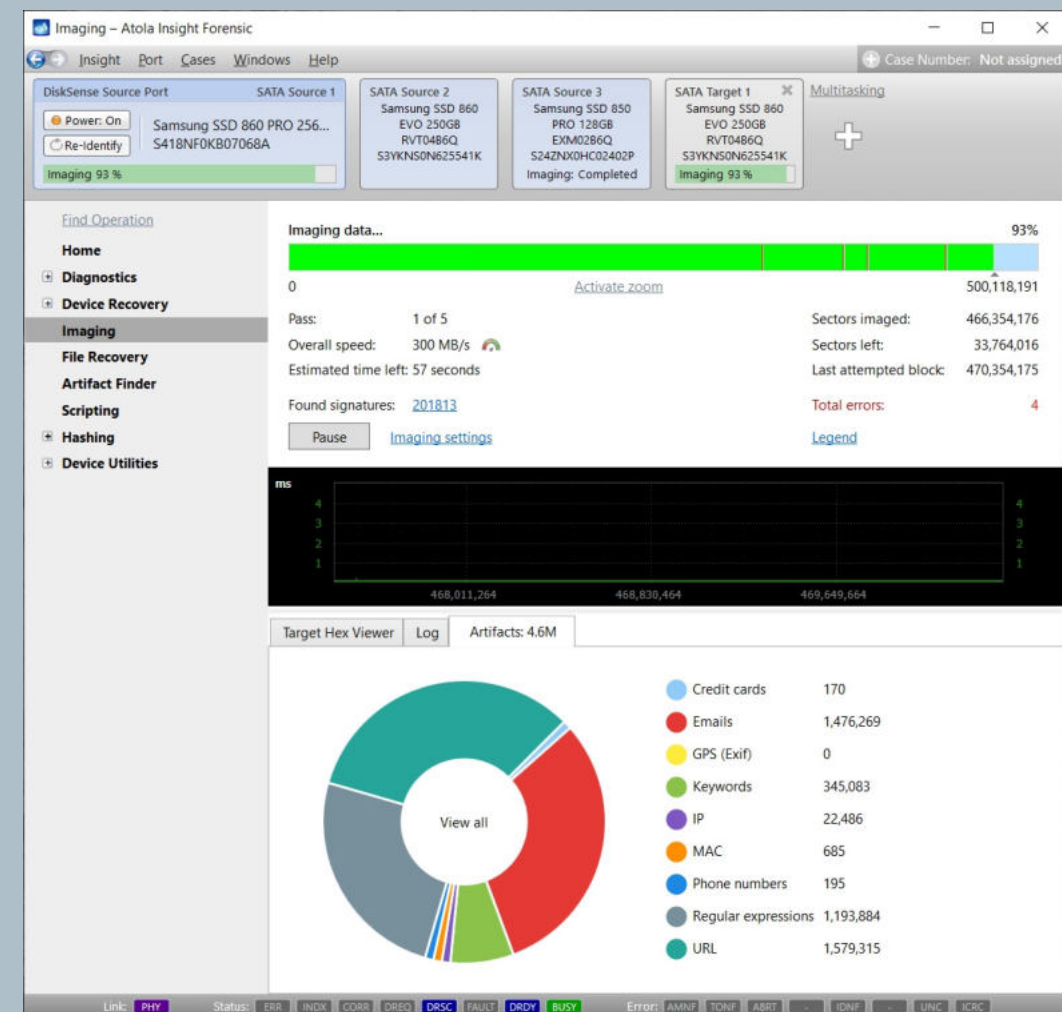- HDD current monitoring for continuous diagnosis

## Functions

### Forensic Imaging

- 3 simultaneous imaging sessions + multi-tasking

- Imaging session speed up to 500 MB/s

- E01, AFF4 or Raw target images created in the network or on target drives

- Up to 3 targets per imaging session

- Support of SATA, IDE, USB drives

- Via extensions: SAS, Apple PCIe (2013 - recent models), NVMe and M.2 PCIe SSDs

- Built-in hardware write blocker for all source ports

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## Forensic feature set

- Unknown ATA password extraction

- Locate sectors - detect which files and partitions they belong to specified drive sectors

- On-the-fly sector-level Artifact finder based on Intel Hyperscan engine

- Hash calculation (linear and segmented): MD5, SHA1, SHA224, SHA256, SHA384, SHA512

- Wiping methods including DoD 5220.22-M, Secure Erase, NIST 800-88, Pattern Erase

- Forensic file recovery for NTFS, APFS (with encrypted volumes), XFS, ext4/3/2, ExFAT, HFS/HFS+, FAT32, FAT16

- Case management system automatically generates detailed reports

- Comparison of 1 drive against 3 drives or images

- Detection and lifting of HPA and DCO restricted areas

- SSD Trim

## Workflow

Drive Diagnostics ▶ Evidence Drive Imaging ▶ Forensic File Recovery

# TaskForce vs Insight Forensic

| | TaskForce | Insight Forensic 2.0 |
|---|---|---|
| Simultaneous imaging sessions | 12+ | 3 |
| Source Ports | 6 SATA, 6 SAS/SATA, 4 USB, IDE + extensions | 3 SATA, USB, IDE + extensions |
| Target Ports | 6 SATA, 6 SAS/SATA, 4 USB, IDE + extensions | 3 SATA, USB |
| Extension Module | M.2 NVMe/PCIe/SATA, Apple PCIe, Thunderbolt | M.2 NVMe/PCIe/SATA, SAS, Apple PCIe, Thunderbolt |
| Multitasking | 12 x imaging + wiping + hashing + diagnostics etc. | 3 x imaging + wiping + hashing etc. |
| Max. Targets per imaging session | 5 | 3 |
| RAID Support | Automated assembly: RAID 0, 1, 5, 10 and JBOD | ✖ |
| Interface | web-based (Chrome browser) | Windows application |
| Standalone Mode | ✔ | ✖ |
| Multi-user Access | ✔ | ✖ |
| Express Mode | up to 17 imaging sessions | ✖ |
| Automation | Web API | ✖ |
| ATA Password Recovery | ✖ | ✔ |
| Scripting | ✖ | ✔ |
| File Recovery | ✖ | ✔ |
| Disk/Image Comparing | ✖ | ✔ |
| Media Scan | ✖ | ✔ |
| Disk Editor | ✖ | ✔ |
| Dimension | 300 x 250 x 75 mm | 190 x 190 x 63 mm |