MOSCOW FORENSICS DAY '25



VLADIMIR GRESHNOV

"DUPLICATORS VS. MANUAL COPYING: WHEN SPEED AND ACCURACY ARE CRITICAL"

ELETEK LLC

MFD



ЭЛЕТЕК

We make the complex reliable

eletek.ru

Our products

“Element-U” NVMe



“Element-FM”



“Element-FS”



“Element-F”



“Element-P”



“Element-VD”



“Element-U” NVMe

Designed for data acquisition over USB interfaces from personal computers under examination:

- High speed
  copying speed up to 1 GB per second
- Requires no disassembly of the examined device
  the unit contains a bootable image
- Metal enclosure
  made in a steel enclosure with a high degree of wear
- Active cooling
  active cooling will not let the drive overheat



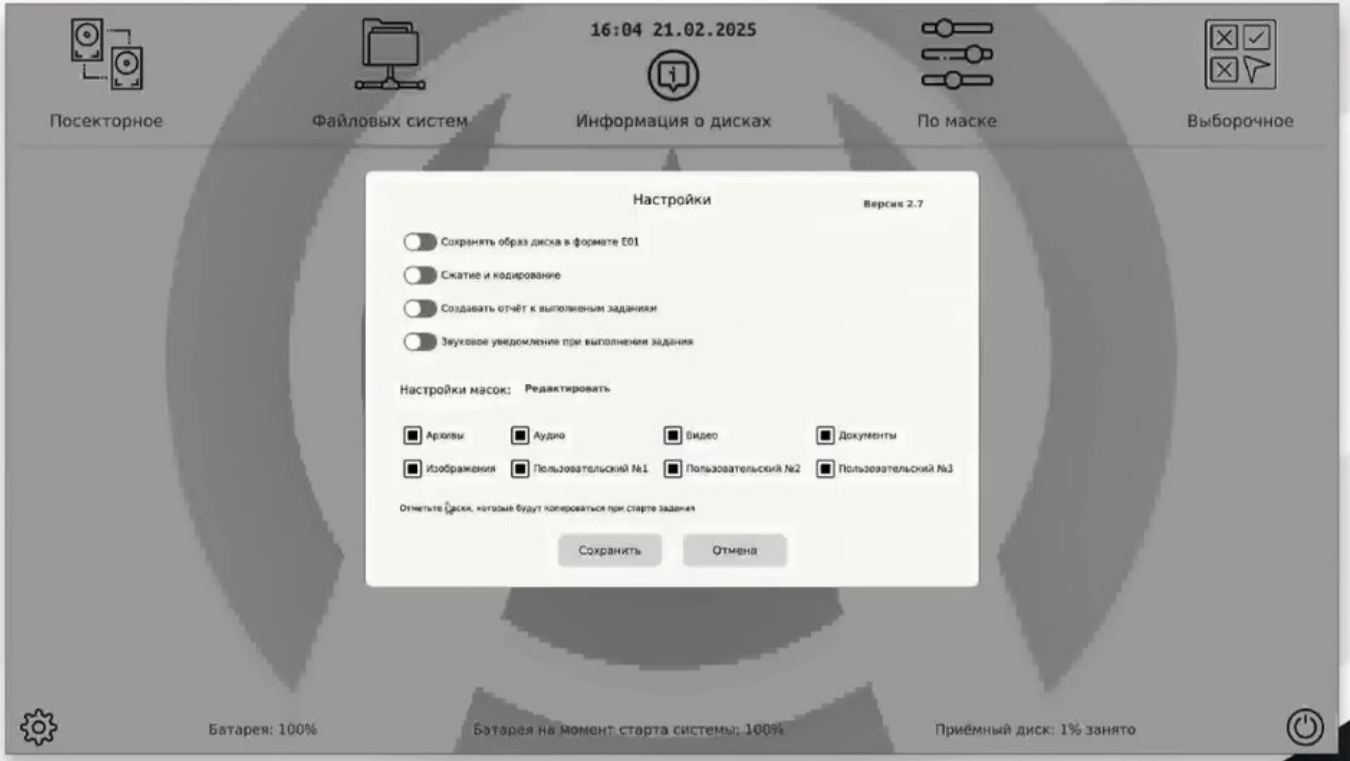
Software assigned registry entry No. 23658 of 29.08.2024

Минцифры России

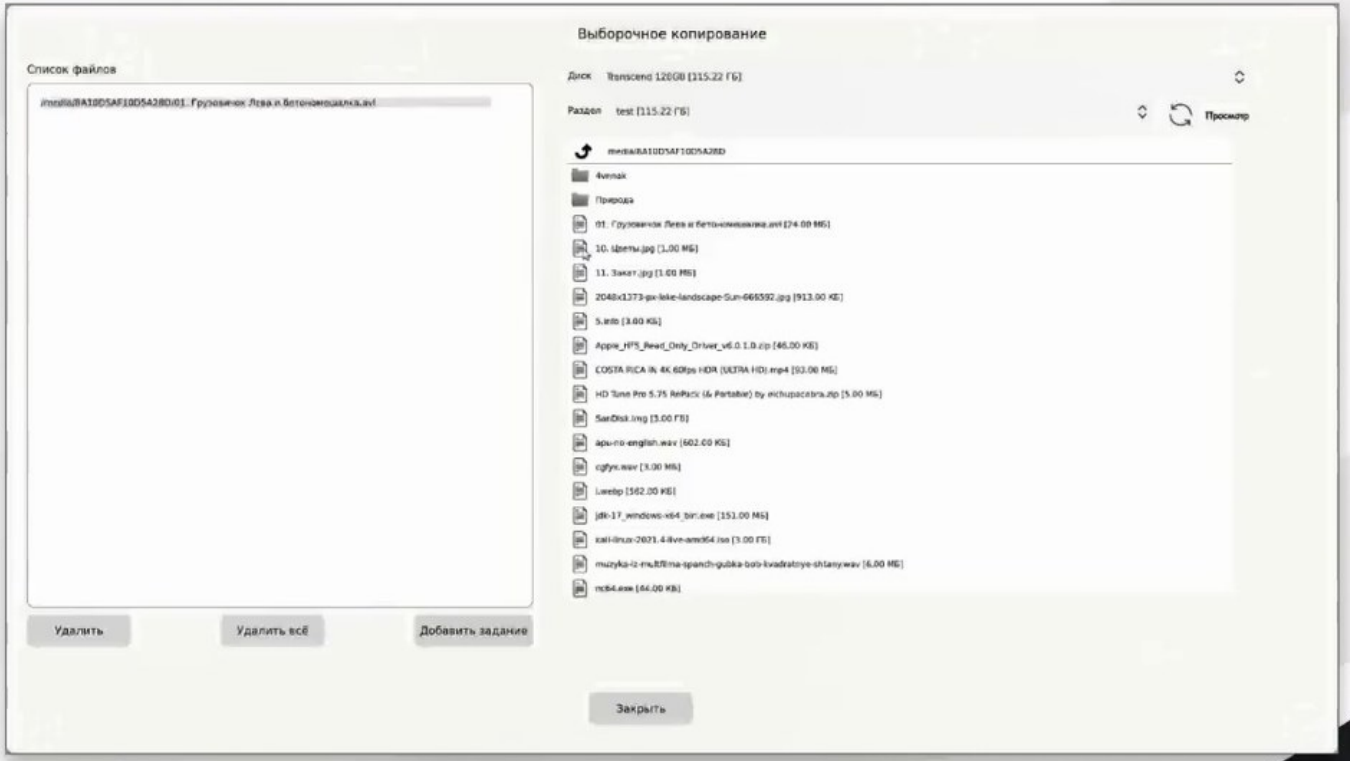
Software suite in operation



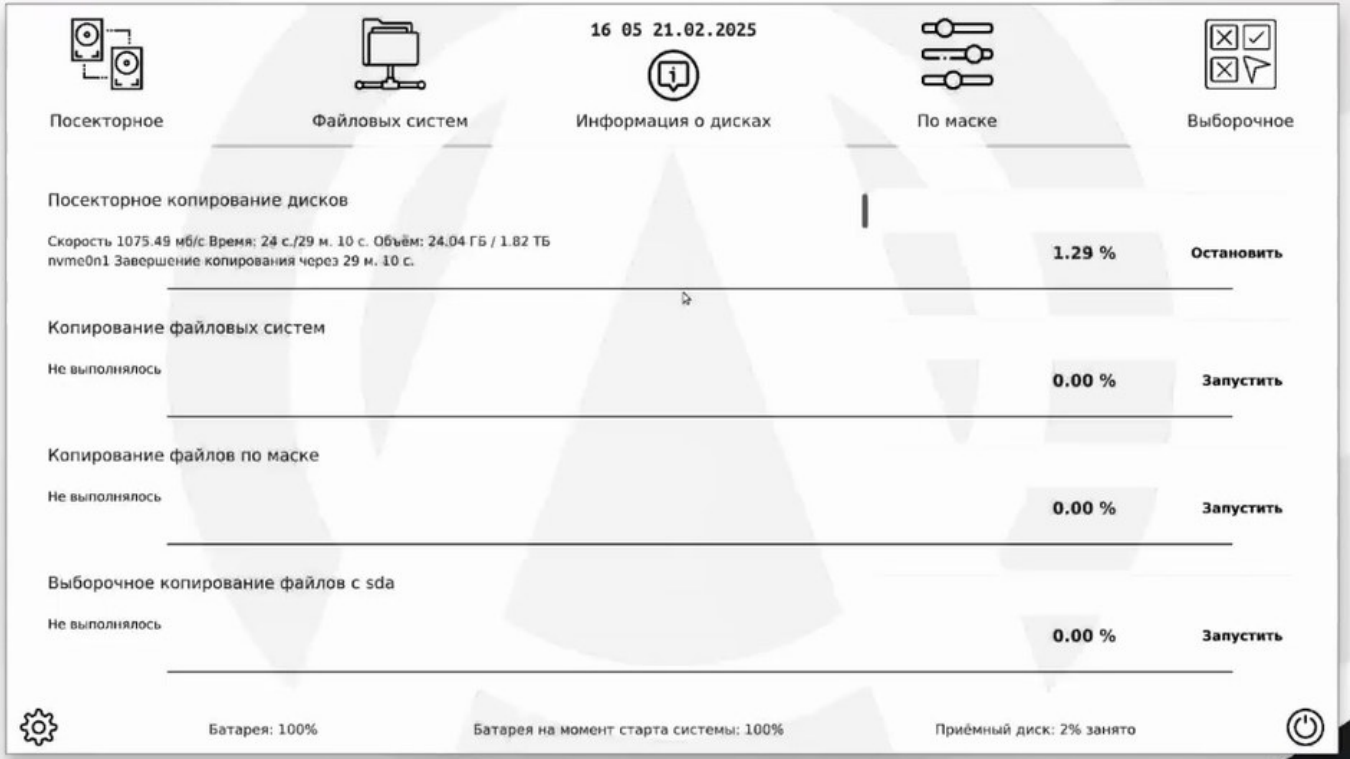
Software suite in operation



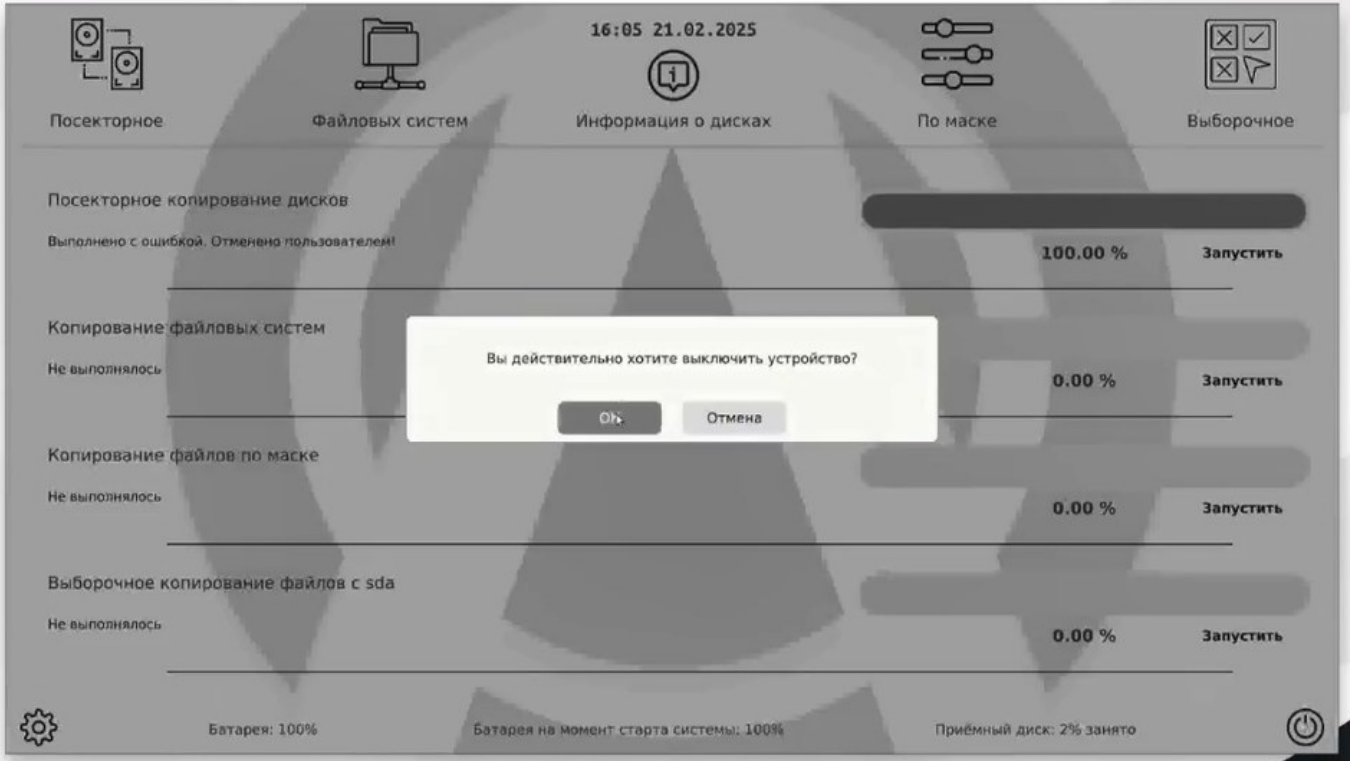
Software suite in operation



Software suite in operation



Software suite in operation



“Element-FM”

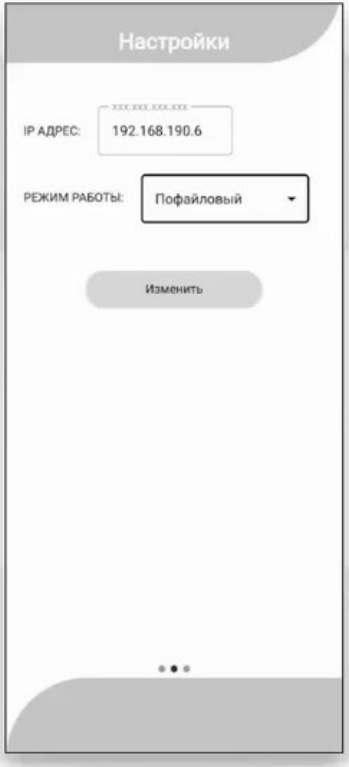
Designed for standalone copying of data from flash drives:

- Storage capacity
  copying data to a 512 GB storage
- Wi-Fi 5 GHz module
  wireless control of the unit via a mobile app
- Pocket size
  the unit measures 71x40x33 millimeters
- LED indication
  intuitive indication of operating modes
- Battery life
  up to 2 hours of operation at maximum copying speed



Mobile control application







“Element-FS”

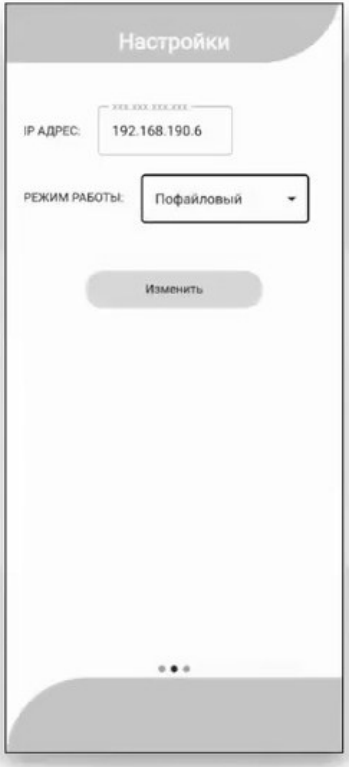
Designed for automatic copying of data from external 2.5" and 3.5" HDD and SSD drives:

- Hardware write blocker
  connecting the examined drives in “read only” mode
- Various copying modes
  sector-by-sector to file, cloning, all files, by masks
- Wi-Fi 5 GHz module
  wireless control of the unit via a mobile app
- Pass-through copying
  copying to an external trusted drive
- Internal storage
  an option to add fast internal storage



Mobile control application







“Element-F”

Designed for copying data from external HDD, SSD drives and flash drives:

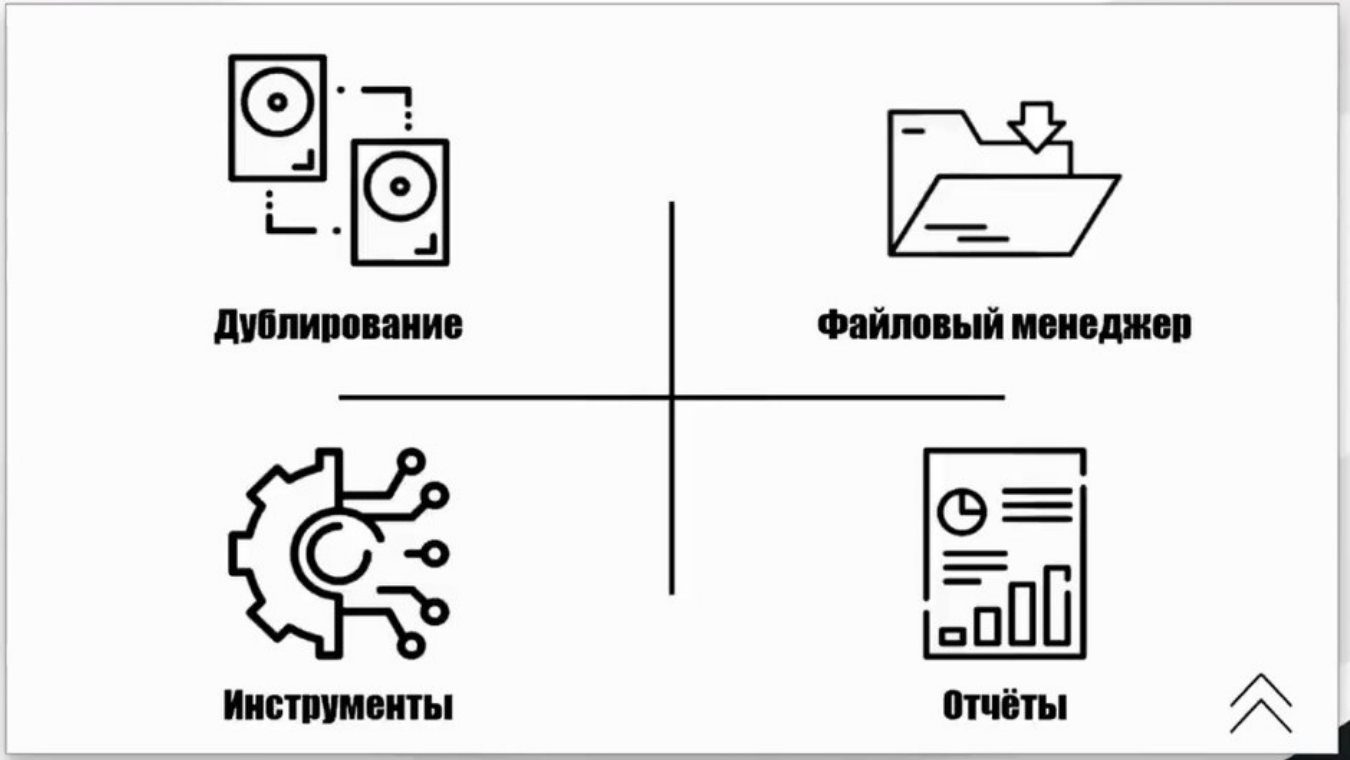
- Safe acquisition
  connecting the examined drives in “read only” mode
- High speed
  total copying speed up to 1 GB per second
- Various copying modes
  sector-by-sector to file, cloning, all files, by masks, manual
- Choice of data storage location
  internal memory, an external drive or network storage
- **S.M.A.R.T.**
  displays S.M.A.R.T. parameters of the examined drive



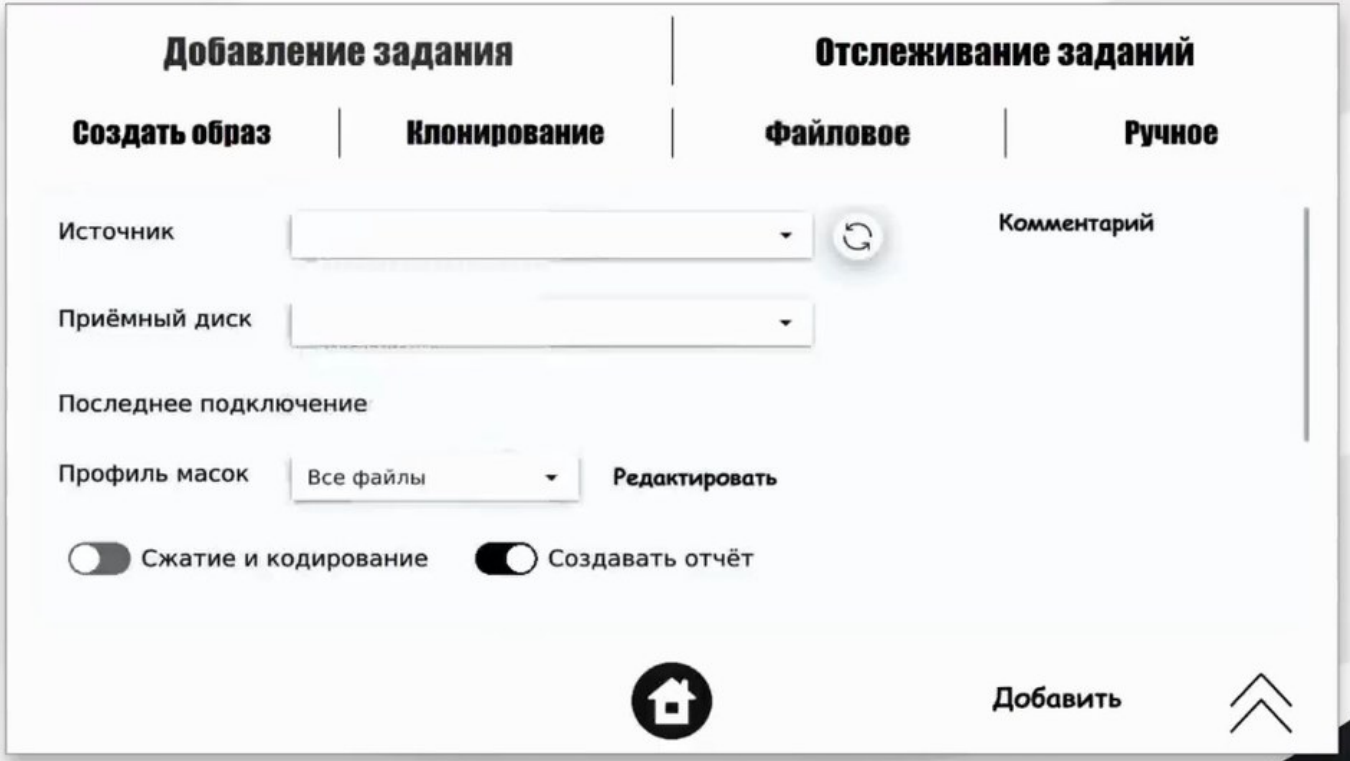
Software assigned registry entry No. 23659 of 29.08.2024

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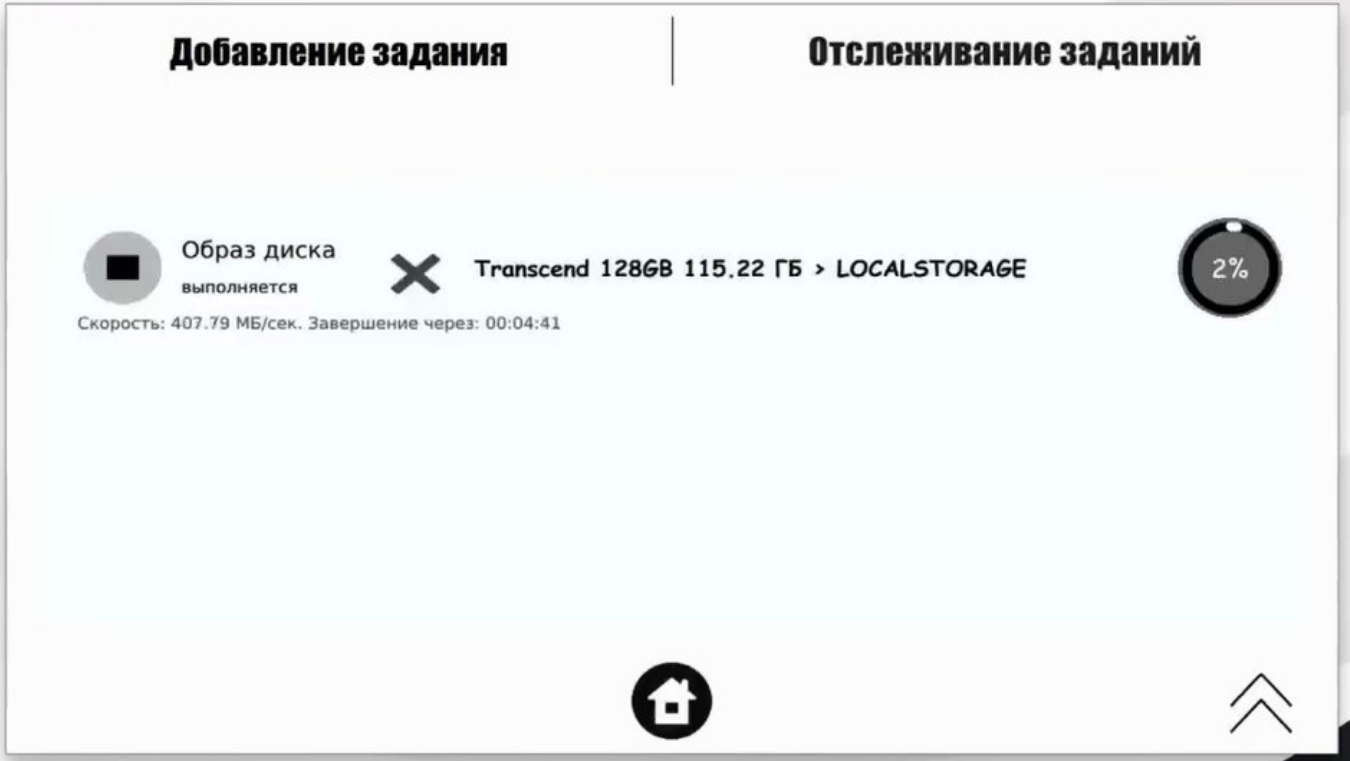
Software suite in operation



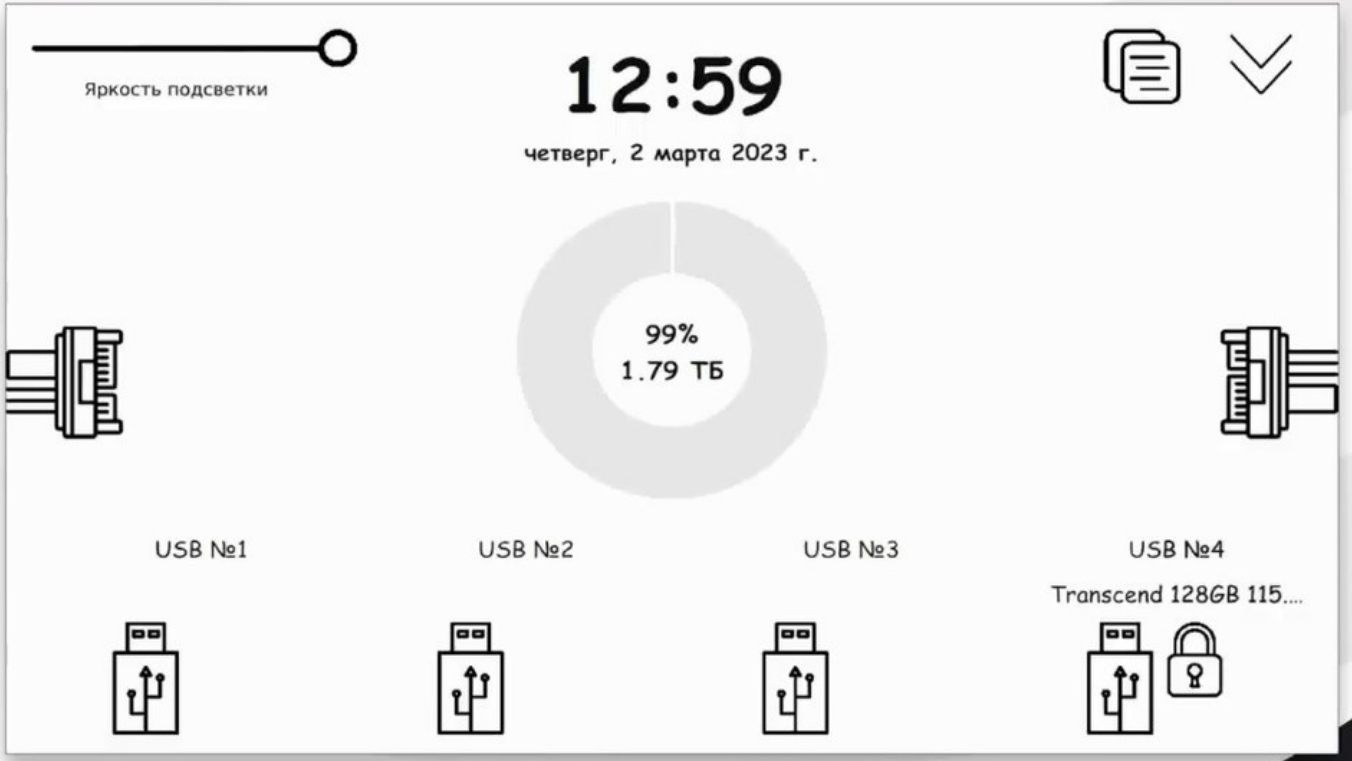
Software suite in operation



Software suite in operation



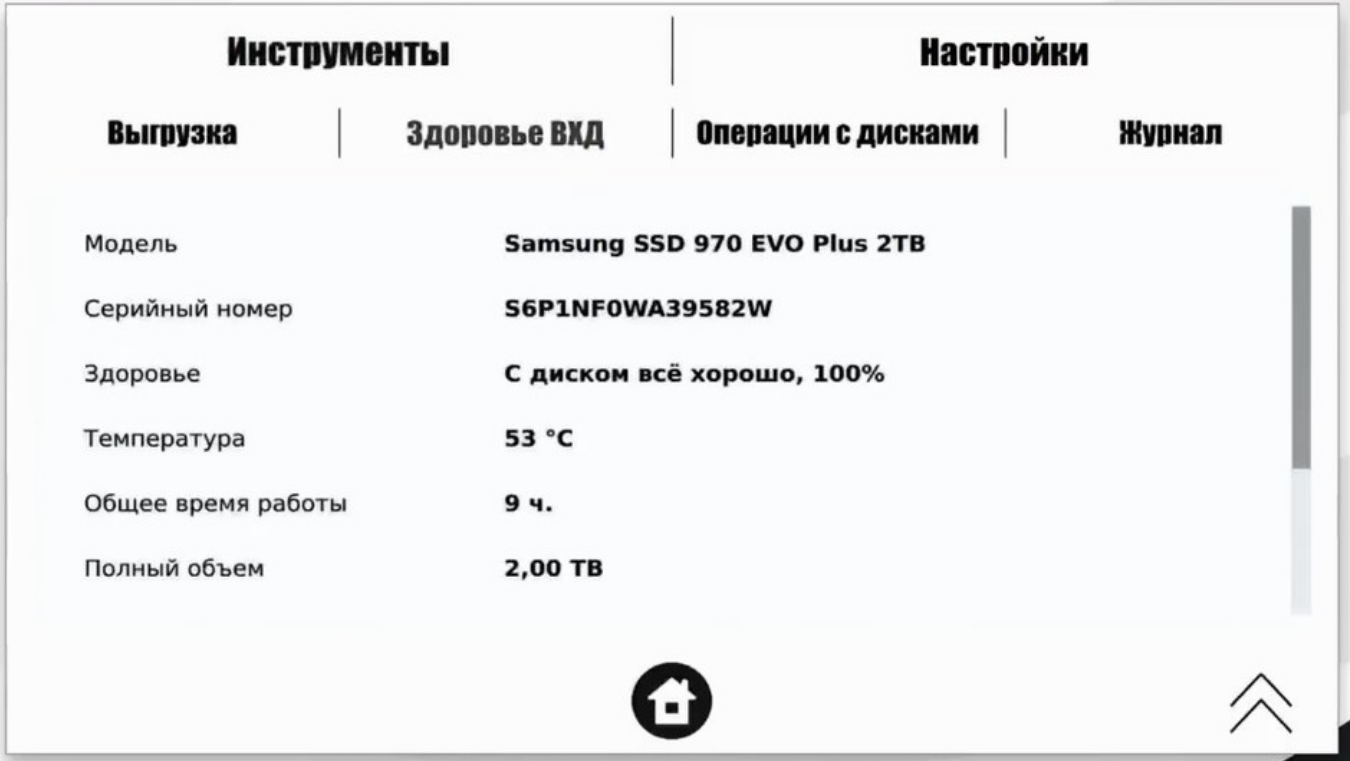
Software suite in operation



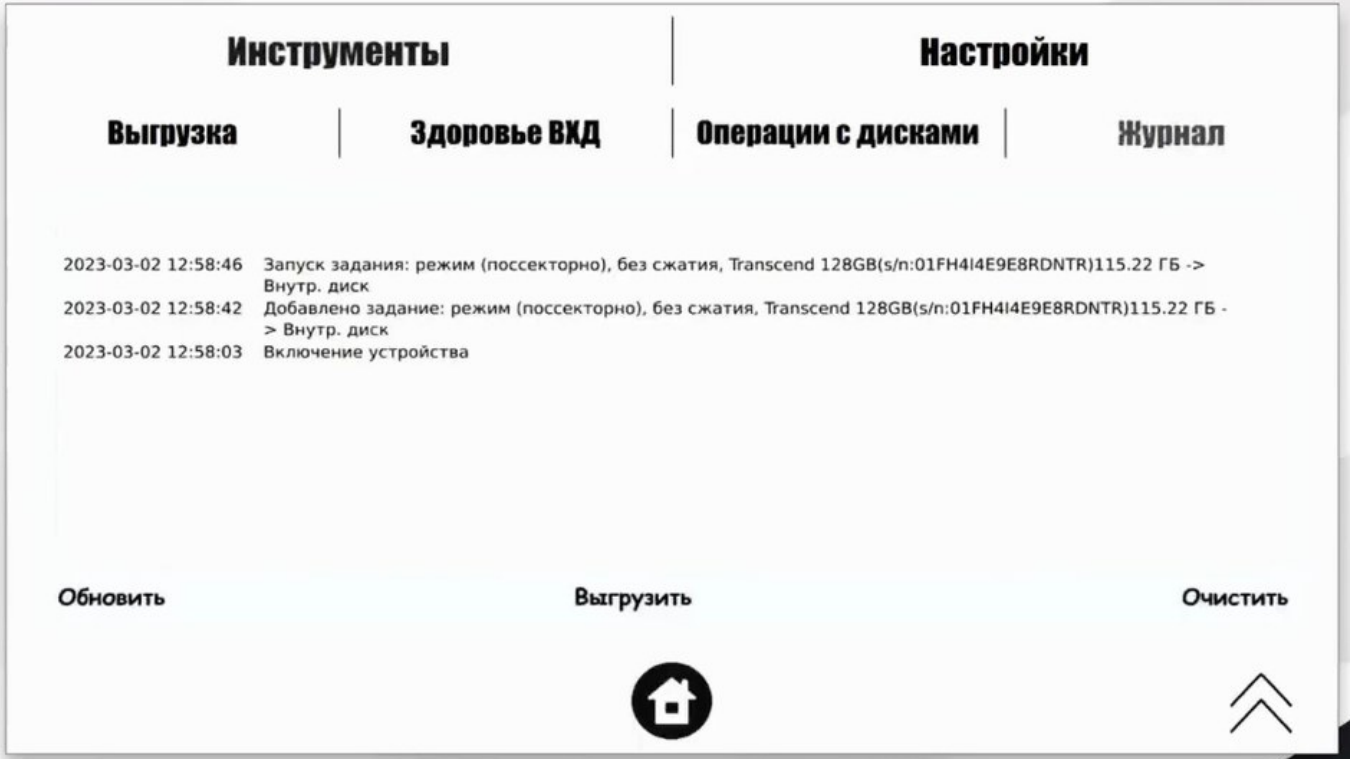
Software suite in operation



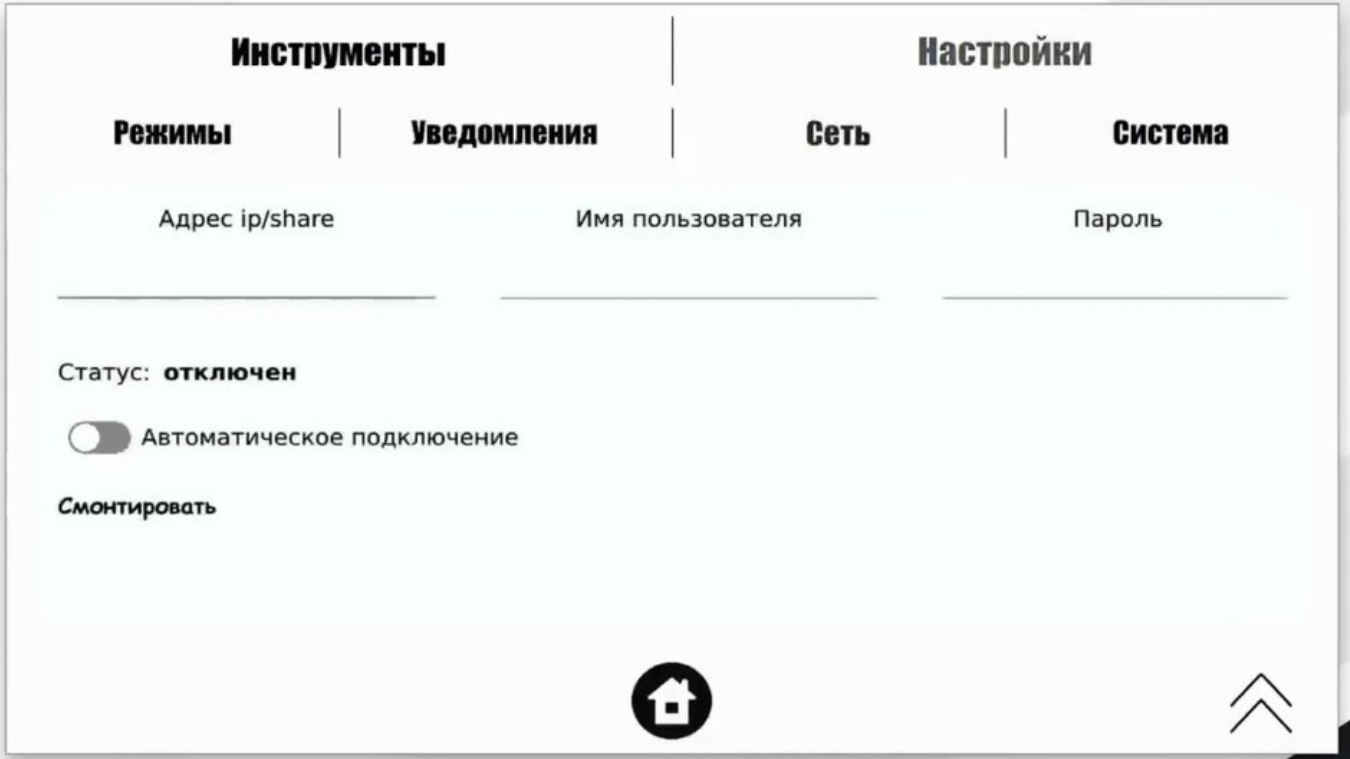
Software suite in operation



Software suite in operation



Software suite in operation



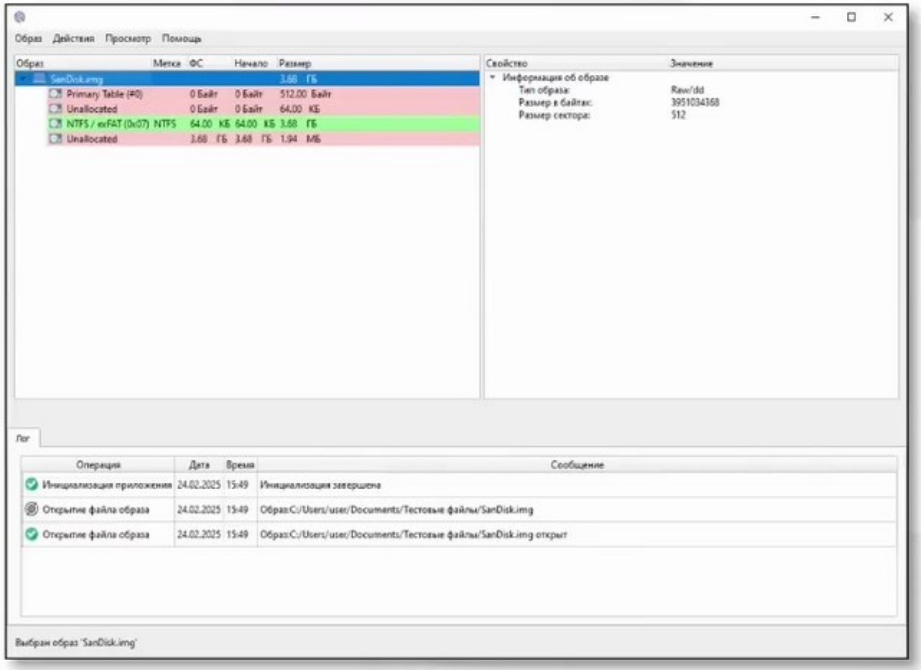
“Element-VD”

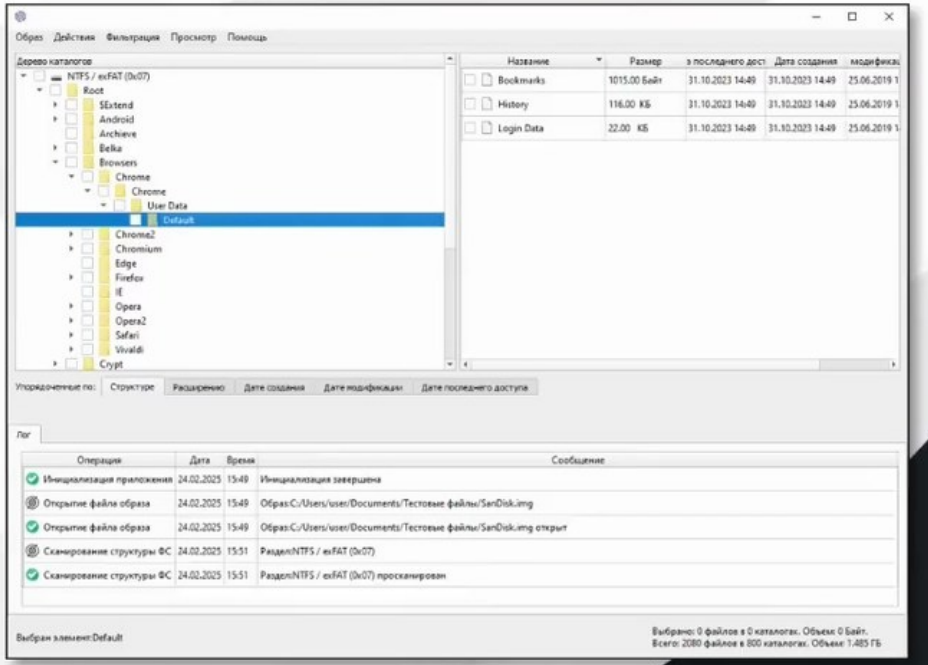
Designed for finding and recovering deleted files in the file systems of images and physical drives:

- Signature search
  finding and recovering files by known signature types
- File system metadata search
  finding and recovering files by analyzing file system metadata
- Scan session recovery
  saving scan results to a file and restoring them for further work
- Operating systems
  runs under the Windows and Linux operating systems, including Astra Linux



Software suite interface





“Element-P”

Designed for finding and saving data from a personal computer under examination “live”:

- Signature search
  finding and saving files by known signature types
- Mask search
  finding and saving files by specified masks
- Search by specified paths
  finding and saving files by user-specified paths
- Operating systems
  works in Windows and Linux file systems



Software suite interface







Vladimir Greshnov

Development department specialist at ELETEK LLC, knows all about the duplicators and write blockers the company makes



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