

## **ZENO DVR Recovery – 512 BYTE**

Help

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## **1. Short software description**

The software finds video files recorded by ZENO DVR family, and identifies date and time intervals of the recording and channel number.

## **2. System requirements:**

- Operation system: Windows 7, Windows 10.
- Hard disk drive: no less than 10 MB of the free space on a disk.
- Enough space on disk with result folder to store recovered data.
- RAM: no less than 1 GB

### **3. Complete and Demo versions, restrictions.**

Complete version of ZENO DVR Recovery (file ZENO DVR Recovery.exe) – works and gives full functional only if file regkey.dat is available with the conditions corresponding to the bought license. DEMO version of ZENO DVR Recovery (file ZENO DVR Recovery Demo.exe). Operates and provides all functionality of the program with this restriction: Only part of the found files will be saved, but you can still see a list of all found files in the log. Demo version is standalone executable file that does not need any license file.

#### 4. Purchase and software installation.

**Demoversion** requires to download the latest version of **ZENO DVR Recovery** from the website <https://soft.512byte.ua> and to run *ZENO DVR Recovery Demo.exe*.

**The complete version** requires the next steps:

1. Pay the license on the website <https://soft.512byte.ua>.
2. Wait for receiving files *GetHardwareIDwl.exe* and *ZENO DVR Recovery.exe* by E-mail mentioned in the previous point.
3. Run the program *GetHardwareIDwl.exe* on the PC where *ZENO DVR Recovery.exe* is planned to be used.
  - 3.1. Send to E-mail: [soft@512byte.ua](mailto:soft@512byte.ua) the text file *HardwareID.txt* with information about the equipment. Example of the *HardwareID.txt* file content: "Your Hardware ID: 1055-4E4B-5E3C-9DA0-6F37-EBCA-281B-3CF8".
4. Wait till the file with the license *regkey.dat* will be received by the mentioned E-mail.
5. Place the received *regkey.dat* file in the folder with *ZENO DVR Recovery.exe*.
6. Run *ZENO DVR Recovery.exe*.

## 5. Order of the software use. Interface.

To run ZENO DVR Recovery, you must provide administrator rights. The main program's window is used for setting of input data and basic parameters.

The screenshot displays the Zeno DVR Recovery application window. The interface is organized into several sections:

- Source:** Contains radio buttons for "Disk" (selected) and "Image". The "Disk" section has a dropdown menu and a refresh button. The "Image" section has a text input field and a browse button. Below these are input fields for "Start LBA:" and "Finish LBA:".
- Additional options:** Includes a "Date interval:" section with two date-time pickers (01-01-2000 00:00 and 14-07-2020 10:29). It also features "Operating mode:" with "Default mode" selected, and "Carving mode:" with "Default carving" selected.
- Channels:** Shows a "Number of cameras:" dropdown set to 32. Below is a grid of 32 checkboxes, all of which are checked, arranged in four rows of eight.
- Result:** Contains a "Result Folder:" input field with a browse button. At the bottom are "Start" and "Open result folder" buttons.

1. **Source** – here you can choose data source (Drive or Image).  
Start LBA, Finish LBA – allow you to set boundaries for a disk or image to read.
2. **Additional options.**
  - I. *Date interval* – only files within this interval will be saved.
  - II. *Operating mode*– the default mode recovers video files, and the forensics mode also saves the hash of the files and source.
  - III. *Carving mode*. Default mode recovers files as is, due to the way the DVR stores video data, large number of files short length expected. Force-combine carving, on the other hand, combines some files to increase they length. Due to force combining, minor artifacts may appear on the video.
3. **Channels** – here you can select number of cameras that you want to recover and toggle cameras to save only data that you need.
4. **Result** – here you can choose result folder, open it and start recovering.

## **6. Software messages description.**

In case of unhandled exceptions, the program will show a message window with an error.

If you see this message, please contact us by e-mail [soft@512byte.ua](mailto:soft@512byte.ua).

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