

Recovering Images

Digital photography utilizes many types of storage (e.g. Compact Flash, Memory Sticks and so on). They are referred to as "storage media". Similarly, there are multiple ways to access data on the storage media, e.g. using the camera itself, using a memory card reader device and so on. All of these devices capable of accessing storage media are referred to as "devices".

To recover data:

Select the device from which images should be recovered. List indicates the media sizes. Common media sizes are small and devices should be readily identified (typically, you will only see one device in the list).

If the device list is empty try the following:

1. Make sure device is properly connected.
2. Click "Refresh".
3. If this does not help, close the program, disconnect and reconnect the device, wait for 20 seconds, and restart the program.

Once device is selected choose the folder to which recovered images should be stored and click "Proceed". The free space on target should be greater than the storage media capacity.

The processing time may vary depending on the storage media volume and access speed. Usually this time is compared with time required to copy all images from camera to PC.

Recovery quality depends on a number of factors, the most important of those being

1. Camera model. Some cameras securely overwrite deleted images by zeros. The recovery is impossible in these cases.
2. The number and total volume of images stored on camera after deleting the images of interest. New images are written over the deleted ones and destroy them irreversibly.

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Information recovery

Recovering of photos deleted from the camera memory is possible because most of cameras delete just references to photos while deleting. So deleted photos are still in memory but cannot be accessed by standard means. Non-standard methods utilizing direct access to the data medium allow to recover images, in most cases, but only if no new data was written over them.

In some cases the direct access may be obtained without any complementary devices by just connecting the digital camera to PC as during usual photos copying. Appropriate card reader (depending on the media type) will work as well.

Technical support

If you have any questions or suggestions regarding ImageRecovery, feel free to email us at support@z-a-recovery.com

System requirements

The following file types are supported in version 1.2:

- **JPEG** image
- **GIF** image
- **TIFF** image
- **CRW** image (Canon RAW image format)
- **WAV** wave sound
- **MOV** QuickTime movie

Supported operating systems:

Windows 95 OSR 2
Windows 98
Windows ME

Windows 2000
Windows XP

Important: Initial release of Windows 95 and Windows NT 4.0 are not supported.

Card access methods:

In some cases it is possible to access the memory card by just using the camera. If the camera itself does not allow direct access, you need a card reader device.

