

# Visual NAND Reconstructor

For Chip-off Data Recovery & Digital Forensic on NAND Storages



DER-VNR



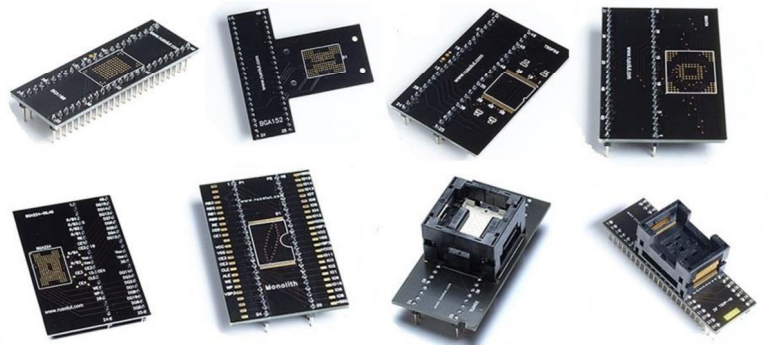
Supports USB, SSD, SD card, monolithic flash media, Micro SD card, MS card, XD card, digital voice recorder, MP3 player, tablet, smartphone etc.

DER-VNR helps you recover data from NAND chips in scenarios such as:

- ✓ Physical damage
- ✓ Electrical damage
- ✓ Firmware failure
- ✓ Thermal damage
- ✓ Non-recognizable disk in OS
- ✓ Analysis of "non-addressed areas" of NAND

High quality adapters for versatile NAND chip types.

Adapter list will be constantly updated.



Data Recovery

Data Erasure

Data Destruction

Digital Forensics

# Reader

Reads a physical image (dump) out of a flash memory chip via a special adapter.

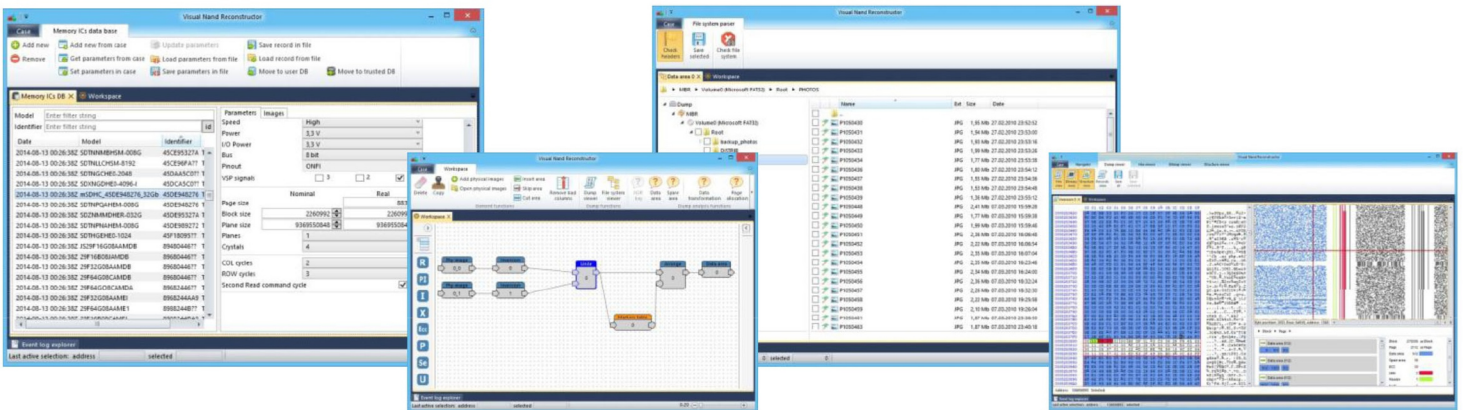


# Adapter Set

Supports TSOP48, TLGA52, TSOP56, BGA100, BGA152, BGA154, BGA224, Monolithic chips and will be constantly extended.

# Software

Processes the physical image and convert it to a logical image with file system.



# Special Features

- ✓ Universal adjustable Physical to Logical Block translation algorithm
- ✓ Wiped/obsolete blocks analysis, file system analysis
- ✓ Built-in and regularly-updated SQL database of NAND chips and controller configurations
- ✓ User-friendly, intuitive GUI with unified functions

# Specification

Item	Specification
Product Name	Visual NAND Reconstructor
Model	DER-VNR
Supported Storages	USB, SSD, SD card, monolithic flash media, Micro SD card, MS card, XD card, digital voice recorder, MP3 player, tablet, smartphone, other NAND based data storage devices
Supported NAND Package	TSOP48, LGA52, LGA60, TSOP56, BGA100, BGA152, BGA154, BGA224, Monolithic chips Samsung, Sandisk, Hynix, Toshiba, Intel, Micron, others
Data Transfer Rate	7-10 Mb/s depending on NAND chip
Interface – Connection to PC	Mini-USB 2.0
Interface – Connection to Adapter	ZIF interface
OS Requirement	Windows driver for x64/x86 Windows7/8 platforms (Recommended: windows 8 x64)

*Specifications are subject to change without notice.*