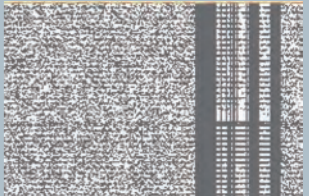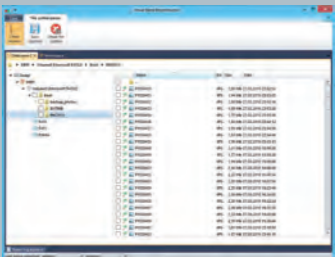# Visual Nand Reconstructor

RUSOLUT

Chip-off Data Recovery & Digital Forensic analysis of broken flash storage devices.

Application

Physical Damage

Firmware Failure

Electrical Damage

Thermal Damage

Analysis "non-addressed areas"

Non-recognizable disk

Workflow

1 Put the chip into the adapter

2 Connect the adapter to the reader and press "Read memory chips."

3 Binary dump file of physical image is produced

4 Rearrange the physical NAND blocks into the logical block by using VNR software

5 Full file-system structure is shown

Features

- Data recovery from broken Flash devices
- Forensic analysis of NAND physical image
- Analysis of hidden/obsolete/bad blocks of NAND memory
- Automatic analysis modes
- Largest set of adapters on market
- Powerful manual analysis and reverse engineering modes
- Unique dump viewer modes
- Support of microSD and other monolithic devices
- Flexible software conception and intuitive GUI with database
- Power adjustment for weak and mobile chips (1.8V…4.0V) separately for core and IO bus

Options

#### Starter Kit

TSOP48
BGA100
LGA52
BGA152/13
MONOLITH

Standard Kit

BGA152
BGA100
BGA132
BGA107
BGA137
TSOP48 WIDE
LGA60
(FOR TH58TFT1DFKLAVH AND ALIKE)

EMMC Adapter Kit

BGA162 EMMC
BGA169 EMMC 10×11
BGA169 EMMC 11,5×13
BGA169 EMMC 12×16
BGA169 EMMC 12×18
BGA169 EMMC 14×18
BGA186 EMMC
BGA221 EMMC

Monolithic NAND Adapters

MICROSD 3×7 PADS
SANDISK MONOSD
SANDISK MONOUFD
MONOUFD 6×6 & 3×7 PADS
MONOSD 4×10 PADS
MONOSD 3×13 PADS
SAMSUNG MICROSD
MICROSD 6×4 PADS
BGA316 & BGA272

* For further information, please visit https://rusolut.com/

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