



# Ninja Forensic Version

Forensic Hard Drive Data Acquisition Tool



**Forensic Data Extraction**

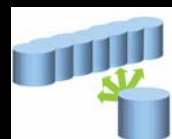


**HDD Test and Repair**

**HDD Wipe (Erase)**



**HDD Duplication**



## Forensic Data Acquisition

Acquire suspect hard drives in DD Image format and apply MD5 Hash for verification. Entire Process is fast, efficient and reliable.



- ✓ **SATA I/II + IDE Support** (3.5" and 2.5")  
1.8", 1.0", 0.85" & FC support w/optional adapters
- ✓ **Built-In Write Protection**  
Secure evidence and master data protection
- ✓ **HPA Enable/Disable Functions**  
Gain access to entire HDD platter

## Special Data Extraction Functions

Our new Data Recovery Copy® function acquires data from unstable hard drives by reading damaged sectors and jumping unreadable sectors to acquire all usable data on a hard drive. This is what sets the Ninja apart from the competition!



- 1) Acquire Error-Sector Data** applies read-long command to acquire data from damaged HDD sectors that cannot be read by other data acquisition tools (UNC Errors)
- 2) Skip Unstable Sectors** automatically jumps unreadable sectors to acquire maximum data using hardware and software HDD resets to maintain HDD integrity
- 3) Adjustable Parameters** allows user to image HDD forward & backward, extend sector-read attempts, timeouts and power on/off time to maximize acquisition

## Must-Have Feature for Data Recovery

## Features

### ❖ Forensic Investigation

Copy to DD Image File and verify with MD5 Hash algorithm.

### ❖ Duplication

Data-Only Copy and Mirror-Copy options. Speed up to 4 GB per minute

### ❖ Data Recovery

Recover data from damaged or unstable hard drives

### ❖ Test Functions

Quick Test, SMART check, full HDD inspection, life cycle tests

### ❖ Data Destruction

DoD, HPA & NSA Compliant

### ❖ Universal Support

Supports any brand & model ATA or SATA I/II hard drive standard package supports 3.5" and 2.5" ATA, SATA I/II (adapters needed for other types)

\* Specifications subject to change without notice

- FREE UPDATES FOR 12 MONTHS
- LIFETIME CUSTOMER SUPPORT
- 12 MONTH WARRANTY

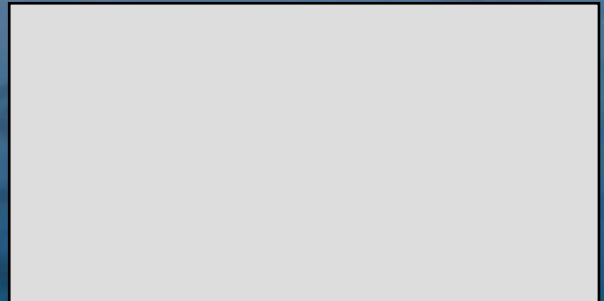
*\*Optional  
Carry Case With  
Field Tools*



<b>HDD Interface</b>	SATA-I/II Native,* ATA/IDE Native, * Write Block for Suspect/Master Hard Drive
<b>HDD Ports</b>	Suspect (Master): 1 Target:1
<b>Compatible HDD</b>	Any Manufacturer's HDD up to SATA – 144 PB Max., ATA (EIDE) 144 PTB Max.
<b>Host Interface</b>	USB (For PC connection)
<b>HDD interface Mode</b>	-Any IDE mode (ATA PIO0~2/UDMA0~6 mode) -SATA I / II (300MB/s interface speed compatible)
<b>HD Power Control</b>	Adjustable Voltage +5V+/-5% (3.3V) , +12V+/-8%
<b>AC Power</b>	AC100~240V 50/60Hz (less than 2A)
<b>Forensic Mode</b>	*DD image with specified file size from 1MB~2,00MB (Hash: MD5), Sector-Sector HDD duplication with CRC check (Identical HDD Size Clip for target Hard Drives), MD5 Hash Calculation, FAT32 Format Copy: Data-Only Copy for NTFS/FAT
<b>Duplication Mode</b>	Systems. <u>Smart Copy</u> : Data-Only Copy for Linux, OSX (Mac), Unix and others. <u>Data Recovery Copy</u> : Skip bad sectors. <u>Flexible Copy</u> : Control distribution of data on Target HDD platter. <u>Sector-to-Sector Copy</u> : Mirror copy w/CRC compare FS Map, <u>HPA Control</u> : HPA on/off/detect
<b>Test Mode</b>	SMART Status Check, MFG Quick Test, MFG Extensive Test, Mechanical Components Test, Complete Platter Test, Read/Write/Verify, Random Seek Test
<b>Repair Mode</b>	Bad Sector Mask (HPA), Reassign Bad Sectors, Address mark Correction, HDD Self Repair/Calibration Enforcement
<b>HDD Erase Modes</b>	Low Lever Format with specified HEX value, Multiple Time Overwrite with specified HEX value, DoD 5220.22M, and NSA compliant data destruction
<b>Dimensions</b>	W27 x D23 x H5 (mm)
<b>Weight</b>	2.4 lbs
<b>Option</b>	Adapters available for ATA HDD (3.5", 2.5", 1.8", 1"), SATA (2.5 inch)

#### Product Includes

- Ninja Main Unit
- AC Power Cable (G-100)
- Hard Drive (HD) Power Cable (Y-7110) (x2)
- ATA (EIDE) Interface Cable (Y-7030) (x2)
- SATA Interface Cable (Y-7050) (x2)
- 3.5 <-> 2.5 HDD Interface conversion PKG (J-6003) (x2)
- DC Connector Pullout Jig (Y-9030)
- PC Cover removal Jig
- Carry Case with Tool Set
- PC Host Control Software (CD)



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1 gigabyte = 1,000,000,000 bytes. Total capacity and speed vary depending on Hard Drive. Patent pending on YEC mirror technology.