

# NINJA Forensic

Built-in  
Write Protection

Ji2

## Hard Drive Imager for Forensic Data Acquisition

Interface: SATA I/II • ATA/IDE

The Ninja Forensic is a fast and efficient Forensic Data Recovery product. It is the world's only stand-alone hard drive duplicator equipped with the capability to extract data from damaged or unstable hard drives in a forensic format. This stand-alone unit has various automatic settings to maximize user success rate and includes free loggin and reporting software.



### High Speed HDD Imaging + MD5 Hash Verification

Copies hard drives at maximum HDD transfer speed 2-4 GB/min in DD image or Bit-to-Bit format

### Bad-Sector Skip Functions for Data Recovery

- 1 Acquire Data from Unstable Sectors**  
Applies read-long command to acquire data from damaged HDD sectors that cannot be read by other data acquisition tools (UNC Errors)
- 2 Skip Unrecoverable 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, time-outs and power on/off time to maximize acquisition

### Data Wipe / Erase for Data Security

Wipes hard drives according to various data security standards at maximum hard drive transfer speed

- ✓ DoD 5220.22M
- ✓ NSA
- ✓ Low Level Format
- ✓ Security Erase

### Comes Standard with Carry Case & Field Tools



## 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 4GB 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

Compliant with DoD and NSA

### 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

<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 ATA/SATA HDD up to 144 PB (full 48-bit addressing support)
<b>Host Interface</b>	USB (For PC connection)
<b>HDD interface Mode</b>	Any ATA/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~2,000MB (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
<b>HDD Erase Modes</b>	Low Level Format with specified HEX value, Multiple Time Overwrite with specified HEX value, DoD and NSA compliant data destruction
<b>Dimensions</b>	W270 x D230 x H50 (mm)
<b>Weight</b>	2.4 lbs.
<b>Option</b>	Adapters available for ATA HDD (3.5", 2.5", 1.8", 1")

Specifications subject to change without notice

Package Includes: Ninja-F Main Unit, AC Power Cable, HDD Power Cable (Y-7111) x2, ATA Interface Cable (Y-7072) x2, SATA Interface Cable (Y-7052) x2, 2.5" ATA Adapter (J-6003) x2, DC Connector Pullout Jig (Y-9030), PC Cover Removal Jig, Carry Case with Tool Set, PC Host Control Software CD