



Solo-3 Forensic

PORTABLE FORENSIC HIGH SPEED DATA ACQUISITION TOOL

Transfer rates exceed 3GB/min. Supports MD5/SHA-1/SHA-2 Hashing, Write-Protection and FireWire/USB Data Acquisition.

Designed exclusively for Forensic applications, the Image MASter Solo-3 Forensic system is a light weight, hand-held, high speed Forensic data acquisition device.

The unit's on-the-fly MD5/SHA-1/SHA-2 and CRC32 hashing capabilities provide the tools necessary for reliable and verifiable Forensic data seizure operations. The unit's large Touch Screen User Interface provides ease of use.

Built-In Features

- High Speed Transfer rates exceeding 3GB/min.
- Touch Screen User Interface.
- Supports P-ATA, Serial-ATA and SCSI drives. (High speed SCSI capture is supported with optional hardware)
- Seizes from Suspect's unopened Notebook or PC through FireWire 1394B or USB 2.0 interface.
- Protects Suspect's data using built-in write protection.
- Supports on-the-fly hashing using **MD5/SHA-1/SHA-2** and CRC32.
- Seizes in Forensic sector-by-sector format or segmented file format (LINUX-DD).
- Seizes data to two hard drives simultaneously in UDMA mode speeds.
- Detects and captures HPA and DCO hidden areas.
- Audit Trail report printing capability.
- WipeOut DoD.
- Seize from Mac (Optional)



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Description of Built-In Features and Options

Multiple Media Types Supported

Supports seizing of data from multiple media types include the following:

- Desktop IDE Parallel ATA hard disk drives.
- Notebook drives.
- Desktop Serial ATA hard disk drives.
- Supports eSATA drives with proper third party SATA-to-eSATA data cable
- SCSI hard drives¹
- Type I, Type II, Type III ATA Flash PC Cards²

Two Target Drive Seizure Capability

The unit can seize the Suspect's data to 2 target (evidence) drives in UDMA mode.

Capture Modes:

Single Capture and Linux DD Capture

The Single Capture operational mode will seize the entire contents of the Suspect's drive to the Evidence drive, creating an exact duplicate of all of the Suspect's drive partitioned and un-partitioned areas.

The Linux DD Capture method will copy the entire contents of the Suspect's drive. The data will be written as individual segmented LinuxDD files and stored in an individual subdirectory on the Evidence drive.

Host Protected Area (HPA) and Device Configuration Overlay (DCO)

HPA is a reserved area for data storage outside the normal operating file system. The unit will detect and capture this area. DCO allows systems to modify the apparent features provided by a hard disk drive. The unit detects and captures the DCO.

Hashing with MD5/SHA-1/SHA-2 and CRC32

The CRC/MD5/SHA-1/SHA-2 Signature Generator is used to help verify data integrity by generating a 32-bit (CRC) and one of the following: 128-bit (MD5) 160-bit (SHA-1) or 256-bit (SHA-2) signature "finger print" of the seized and the copied data.

The CRC/MD5/SHA-1/SHA-2 value of the Suspect drive and the Evidence drive are generated during capture operation.

Bad Sector Handling

Skips bad sectors to allow capture of all readable data. Pads corresponding sectors on target drives with zeroes.

PCMCIA port

Provides method of saving event log information, and updating software using a Compact Flash card.

WipeOut

Supports the Department of Defense specification 5220-22M for sanitizing drives. This feature is used to erase the Evidence hard drive of all previously existing data.

Audit Trail

Detail operational event log information can be printed or saved to Compact Flash card.

Touch Screen Interface

The IMSolo-III Forensic unit provides a large, easy to use graphical Touch Screen menu driven display, which the user can use to configure, control, and operate the unit.

Seize data from Unopened Computer Using FireWire 1394B or USB 2.0 interface

The unit can connect to the Suspect's computer FireWire or USB interface to seize data at high speeds. Seizing data from unopened Mac is an optional feature.

Archiving

Optional DVD Recorder is provided for archiving and restoring Suspect's captured images.



¹ With the purchase of the SCSI option

² With the purchase of the CF adapter

Due to a policy of continuous product improvement we reserve the right to change the design and specifications without notice

IMSolo 3 SPECIFICATIONS

Supply Voltage:	90 - 230V / 50 - 60 Hz
Power Consumption:	10W without drives
Operating Temperature:	5 degrees - 55 degrees C
Relative Humidity:	20% - 60% non-condensing
Net Weight:	2.2 lbs
Overall Dimensions:	8.3" x 5.8" x 2.2"
Universal Auto-Switching input voltage	
Power Supply is UL and PSU Certified	