

KING Demi AS-F

Built-in
Write Protection

Ji2

Hard Drive Imager for Forensic Data Recovery

Interface: SATA I/II • ATA/IDE • SCSI

The King Demi AS-F is the best in forensic data extraction. It utilizes Direct ATA/SATA/SCSI Command Control to guarantee MAXIMUM data acquisition from damaged and unstable suspect hard drives.



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 Skip Unrecoverable Sectors

Automatically jumps unreadable sectors to acquire maximum data using hardware and software HDD resets to maintain HDD integrity

2 Adjustable Parameters

Allows user to 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

Preview HDD via USB (Mount as an external drive)

Preview suspect HDD before acquisition via USB. After data extraction, mount hard drive to analysis computer through the King Demi AS-F and post acquired data to a network folder.

*Additional Cable/Adapter Required

Test Hard Drive

For trouble shooting (Random Seek, Verify, Read-Write-Read, 1 Cycle Test, Running Test, SMART details, HDD Password Lock Test, Error Code Test, Bad Sectors Test, Device Identify Test, Quick SCSI HDD Test, SMART offline test, Quick HDD Test)



Features

- DD Image with quick FAT32 Format + MD Hash Calculation
- Fast Backup for Damaged HDD (13 sec/GB Max.)
- Low Level Formatting with optional DOD 5220.22M and NSA standard wipe functions
- FREE PC control software (King Host) for logging, firmware download and simple interface control
- (1:1), (1:2) All-Purpose-Functions: Test, Analysis, Clone, Flexible Copy, Backup, Repair, Erase and Clip
- Works with any manufacturer's HDD (SATA, ATA and SCSI)
- Big drive compatible (up to 144 PB (48bit))

Specifications

HDD Interface	SATA, ATA(EIDE), SCSI, ATAPI Devices (Built-In Write Block for Master Channel)
Controllable HDD	Master: 1 Target: 2 (1 for SCSI)
Compatible HDD	Any Manufacturer's HDD with ATA(EIDE) -2TB Max., SCSI -2TB Max.
Host Interface	SCSI: PC -HDD Interface (Ultra2 SCSI), USB: Control King Demi unit
HDD interface Mode	{PIO Mode 0, 1, 2, 3, 4}, {UltraDMA Mode: 0, 1, 2, 3, 4, 5, 6}, SATA-I/II, SCSI -up to U320
HD Power Control	Adjustable Voltage +5V +/-5% (3.3V), +12V +/-8%
AC Power	AC100-240V 50/60Hz (less than 2A)
File Format Available	DD image with specified file size from 1MB- 2000MB (Hash: MD5), Sector -Sector HDD duplication with CRC check (Identical HDD Size Clip for target Hard Drives)
Forensic Mode	Automatic folder creation on target HDD for each evidence HDD Automatic Index Text File creation per HDD (Information including: MD5 VALUE, HASH SECTOR, HASH Completed Date Time, Image File Total Creating time, HDD MODEL, S/N, FIRMWARE_VERSION, ,LBA_MODE_SECTORS, DEFAULT/CURRENT HCS, HDD Data transfer Mode supported, HDD Volume, HDD SECURITY STATUS, HDD SMART SUPPORT, Bad sector Locations)
HDD Erase Mode	Low Level Format with Selected HEX value, Multiple Time Overwrite with specified HEX value, DoD 5220.22M, and NSA
Dimensions	W380 x D285 x H100 (mm)
Weight	8lbs.
Options	Plug-In Fixture for ATA HDD (2.5 inch, 3.5 inch and 1.8 inch), SCSI (3.5 inch), SATA (3.5 inch)

*Specifications subject to change without notice

Package Includes: King Demi Main Unit, AC Power Cable, HDD Power Cable (Y-7110) x3, ATA Interface Cable (Y-7030) x3, SATA Interface Cable (Y-7050) x3, 3.5" <-> 2.5" HDD Interface Conversion PKG (Y-6251) x3, SCSI Interface Cable (Y-7220) with SCSI Terminator x2, SCSI Narrow (50p) 8bit Conversion PKG (Y-6100) x2, SCA Adapters (J-6068) x2, DC Connector Pullout Jig (Y-9030), PC Cover Removal Jig, King Host Control Software CD, PC Interface PCMCIA Card (IO data) and Cable (optional), Carry Case with Key