Introducing the Ditto[™] Forensic FieldStation

Value Added Partner:



The New Standard for Digital Data Exploitation and Forensic Acquisition

- Remote operation & preview
- Network source & destination
- Dual drive destination
- Battery operation
- Customize activity logs
- All aluminum construction
- No fan noise



Hardware Overview

- LCD
- Navigation pad
- LEDs



Hardware Overview - Source Side

- SATA/eSATA
- PATA
- USB 2.0
- GbE
- PCIe Expansion Module
- Mini-fit drive power



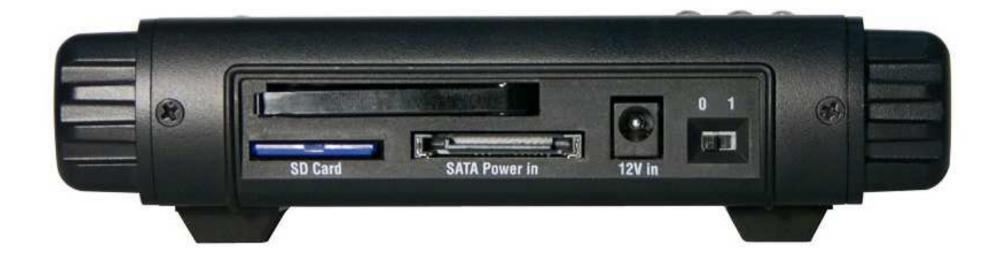
Hardware Overview - Destination Side

- Dual SATA/eSATA
- GbE
- Mini-fit drive power
- Stealth switch blackout mode for low visibility operations



Hardware Overview – Top Side

- Power in barrel or SATA 15-pin
- Power switch
- SD card
- Hook





System Overview

Image Destination Options

- GbE
- SATA Drive single or mirrored
- SD card

Supported Drive File System (Destination)

- EXT2, EXT3, EXT4, XFS
- HFS+
- FAT32

Supported Drive File System (Source)

- EXT2, EXT3, EXT4, XFS
- NTFS
- HFS+
- FAT32, exFAT

System Overview

Gigabit Ethernet Ports

- Source side client only, DHCP or Static IP, iSCSI initiator
- Destination side server or client, DHCP or Static IP, iSCSI initiator
- Network file system types NFS, (CIFS/SMB/SAMBA in Q2/2013)
- Network firewall with NAT and port forward capabilities

HPA/DCO Options

- Indicate only (front panel LED and Activity Log)
- Temporarily bypass HPA
- Permanently unhide HPA
- Permanently unhide HPA/DCO

System Overview

Expansion Modules

- PCIe-based to speed development of newer interfaces
- USB3 Q2/2013
- SAS Q2/2013
- FireWire Q2/2013
- Media Cards Q3/2013
- SCSI Q3/2013
- ThunderBolt Q3/2013
- PCI / PCIe x4 expansion breakout Q4/2013 (host bus adapters)

Action Functions

Clone – to one or two "mirrored" destination drives

Image DD – to one or two "mirrored" destination drives

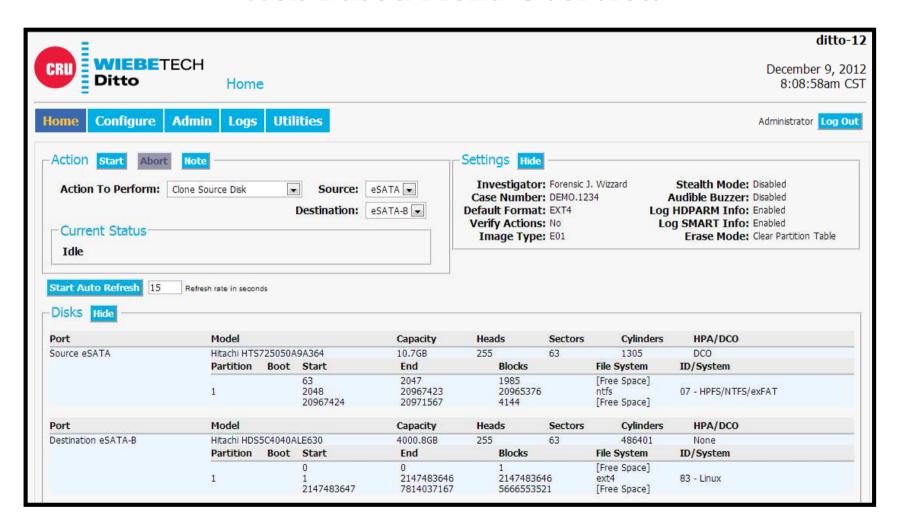
Image E01 – to one or two "mirrored" destination drives

Clone and image DD in one pass

Hash – MD5, SHA1, MD5+SHA1 (during acquisition or standalone)

Erase – 8 present standards plus user configurable pattern / # passes

Verify – enable to automatically hash destination drive after acquisition



LOG-IN

- HTTP and HTTPS
- User name and password

HOME

- Action specify, control and monitor activity
- Disk View suspect drive "preview" (Browse, Hex View, HDPARM, SMART)
- Settings summary listing of configuration
- System Log time sequenced listing of all activity



CONFIGURE

- System Investigator name, case number, other static defaults
- Network Source and Destination IP, Gateway, DNS Information
- Clone hash, HPA/DCO, fill, sector control
- Image DD/E01, hash, file name, seg size, HPA/DCO, sector control
- Erase presets, HPA/DCO, custom pattern/passes
- Hash type, sector control

ADMIN

- Create and Manage User Accounts
- Enable Features Accessible by each User (permissions)
- Enable Features Accessible by the Front Panel



LOGS

- Action Logs one per each Action
- Purge All Logs / Delete Individual Logs
- XML format
- Log data on SD Card (no SD card, no Log saved after power cycle)

UTILITIES

- Firmware Update via HTTP, HTTPS, FTP, USB 2.0
- Update Management Auto Check, Activity Log
- Reboot
- Date & Time
- Factory Reset option to purge all logs
- System Verify firmware signatures and no change has occurred

Benchmarks

Note: Contact CRU for latest information.

Source drive: Seagate Momentus XT (ST750LX003), 2.5"

Destination drives: Seagate Barracuda ES.2 (ST3100034NS), 3.5"

Destination format: EXT4

Performance numbers shown in MB/s (GB/m)

| Action | l Drive | l Drive MD5 | l Drive SHA1 | 2 Drives | 2 Drives MD5 | 2 Drives SHA1 |
|---------------------|--------------|----------------------|----------------------|--------------|-----------------|------------------|
| Clone Verify | 105 (6.3) | 93 (5.6) 90 (5.4) | 83 (5.0) 82 (4.9) | 104 (6.2) | 93 (5.6) | 82 (4.9) |
| Image DD Verify | 89 (5.4) | 74 (4.5) 90 (5.4) | 73 (4.4) 81 (4.9) | 88 (5.3) | 74 (4.5) | 73 (4.4) |
| Image E01 Verify | 55 (3.3) | 51 (3.1) 73 (4.4) | 51 (3.1) 71 (4.3) | 54 (3.3) | 51 (3.1) | 51 (3.1) |
| Clone and Image DD | | | | 75 (4.5) | 64 (3.8) | 64 (3.8) |
| Hash Destination | | 95 (5.8) | 85 (5.1) | | | |
| Erase Destination | 109 (6.5) | | | | | |

Basic Setup and Operation

- Suspect drive, one or two destination drives, laptop (optional)
- Customized Activity Reports (XML Parser)
- Optional battery operation (low-power image to SD Card)

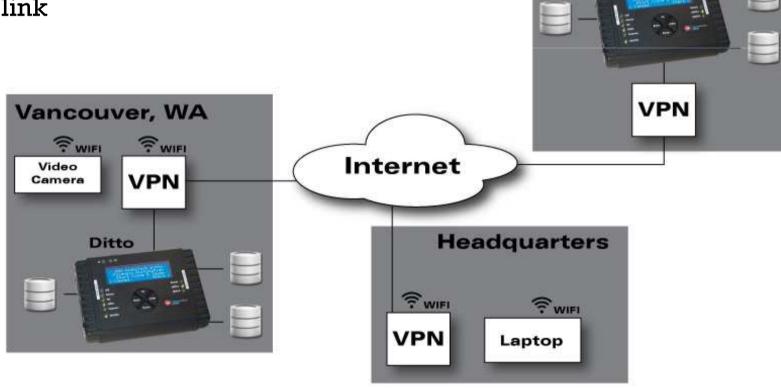


Wichita, KS

Ditto

Remote and Wireless Operation

- Local network or VPN
- Remote maintenance and firmware upgrade
- Video link

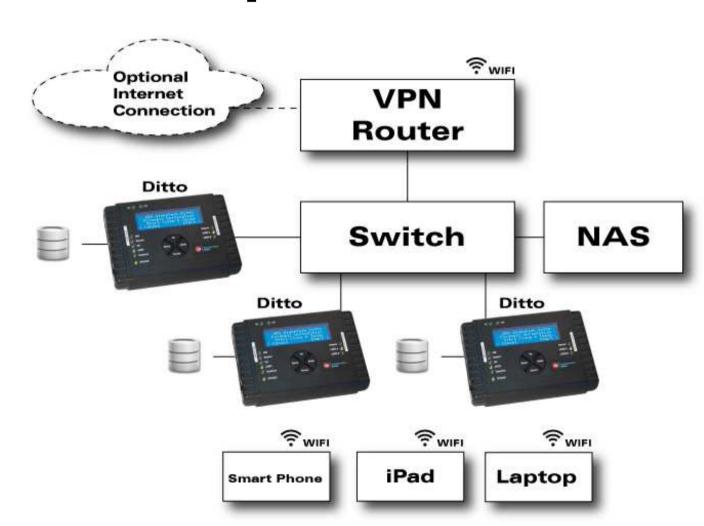




Network Operation

<u>Lab Workflow</u>
Push images to
network storage

Field Workflow
Capture multiple
Suspect drives in
parallel



Investment Protection and Firmware Updates

- Protect investment with easy-to-install firmware updates that add features and improve performance
- Download updates from cru-inc.com
- E01 and DD Image Performance Enhancements
- More network file system types
- Logical Imaging support
- Data and File Carving support
- Support for users to add custom software modules
- Contact CRU for more information about additional features and schedules





- Cell: 0091-9716638340
- Service: www.cybersecurityspecialist.com
 - Solution: www.secureindia.in
- Email: contact@cybersecurityspecialist.com
 - Skype: secure.india.css