Secure Digital Forensic Imaging

Secure Beyond Reasonable Doubt®

SDFI-TeleMedicine Forensic Technical Requirements

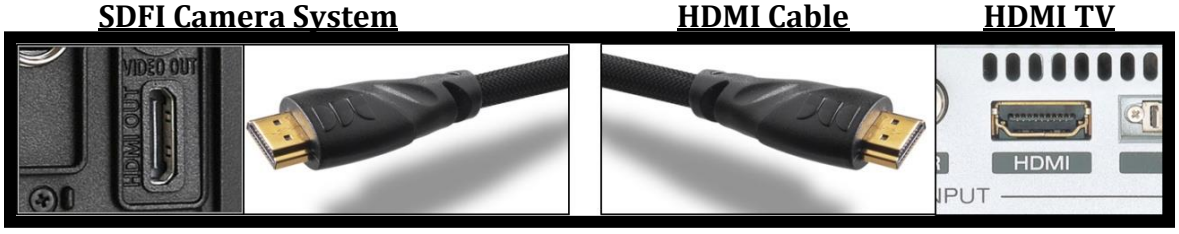
The main SDFI® components described below are in the order that they are used. SDFI users always supply their own computer, high-speed internet and a fast response HDMI compliant HDTV. SDFI does **NOT** provide storage for forensic data and subsequently has no access to forensic data. Users are solely responsible for the regular backup and ongoing protection of the data collected.

IMPORTANT NOTE: Corporate scanning and encryption technologies like Dell's Credant and Symantec's Endpoint Protection products may need to be adjusted and maintained by your I.T. department depending on how your own technical environment is structured.

You will need the following:

- Our high-resolution digital camera(s) capable of capturing and saving RAW and JPG files.
- Our encryption software delivering AES 256-bit encryption **(single user license).** *Single User License means one single windows login/username on a single Windows based computer.*
- Our non-destructive image management software. **(single user license)**
- Full and continuous **local administrator access** on the computer being used along with the ability to open and run .exe files.
- One unused and **unrestricted USB 3.0 port** with full read/write access.
- A Windows 7/10 computer (64-Bit with minimum 8 GB RAM), with 1,500 GB (1.5TB) of dedicated network storage space. Hard drives used must not be compressed. A **WIRED** gigabit Ethernet connection from your SDFI computer through to your network storage is highly recommended. Note: The SDFI computer does not need to be located in the exam room. You do not need access to the computer during the forensic medical exam. SDFI software will not work on compressed hard drives.
- Internet browser: Internet Explorer 10 or higher, Firefox and Chrome.
- Whitelist all @SDFI.com and @filesanywhere.com email addresses
- Internet access to all of: http://www.sdfi.com for system updates and information.
- Internet access to all of: https://fileportal.sdfi.com for SDFI® file portal access. (An exception to download .exe files is necessary)
- Internet access to all of: https://global.gotomeeting.com, https://fastsupport.com/ and https://console.gotoassist.com for technical support. (All remote connections are chaperoned. SDFI cannot access PC without a user present)
- A large fast response LCD, LED or plasma television **(Optional - not supplied)** with one unused and unrestricted HDMI connection port. A wall-mounted unit with an extendable arm is recommended and optional. This is to be connected to the camera in the space you work in.

SDFI Camera System **HDMI Cable** **HDMI TV**



SDFI-TeleMedicine Technical Requirements (Continued)

SDFI® uses an ultra-secure process as simple as "Click, Save and Call" for the SDFI-Telemedicine process. When the SDFI user makes an AES 256-bit encrypted file available, the process is as follows:

1. Recipient users receive a notification **only** e-mail message from the SDFI user's email address ***(NOTHING is EVER attached to e-mail!)***

2. Recipient users will **CLICK** on the link inside the notification e-mail. The link will take them directly to https://fileportal.SDFI.com. Our site uses TLS, RCA, with AES 128 CBC SHA 128 bit key encryption. The site is HIPAA, GLBA, SOX, SSAE16, PCI and ISO27002 compliant.

3. Recipient users will **SAVE** the SDFI Secure Case File on their computer (note: Users choose where they save the SDFI Secure Case File). This file is an AES 256-bit encrypted container, downloaded off the https://fileportal.SDFI.com web site. Again, our site uses TLS, RCA, with AES 128 CBC SHA 128 bit key encryption. The site itself is HIPAA, GLBA, SOX, SSAE16, PCI and ISO27002 compliant. It is secure beyond HIPAA!

4. Recipient users must pick up the phone and **CALL** the SDFI user who sent the SDFI secure file and ask for the SDFI Secure Case File passphrase (the sender's e-mail address will be in the notification e-mail message. NOTE: SDFI passphrases can be up to 256 characters that include upper case, lower case, special characters and spaces). **SDFI® is "Secure Beyond Reasonable Doubt!"**

The SDFI Intelligent User Guide for SDFI Secure Case File recipients can be found here:

www.sdfi.com/downloads/SDFI_YELLOW_DOWNLOAD_GUIDE.pdf

ADDITIONAL NOTES:

- Through SDFI -TeleMedicine, digital forensic evidence is never sent via e-mail or as an e-mail attachment. All files are independently and locally encrypted with AES 256-bit encryption **before** the SDFI-TeleMedicine process is initiated. SDFI users will also receive an automated time stamped email as part of the "Click, Save, Call" process. All activity is securely logged.

- The SDFI File Portal is defaulted to auto purge a file that was uploaded after 7 days. The SDFI File Portal is also defaulted to allow the recipient of a SDFI Secure File to have 5 download attempts within 5 days to download the SDFI Secure File.

- The SDFI process is secure beyond HIPAA[1].

Contact your I.T. department for help. Please have I.T. call SDFI® directly at 310-492-5372 ext. 3 or email support@SDFI.com with any questions.

[1]. *SDFI reference document*:
http://www.sdfi.com/downloads/SDFI_is_beyond_hipaa_security.pdf

SDFI Secure Digital Forensic Imaging

Secure Beyond Reasonable Doubt®

Examiner / Investigator

+

SDFI Camera System

+

SD Card(s)

Internal Secure Network Location / Mapped Drive
All Forensic Data Stored Here

AES 256 Bit Encryption

SD Card(s)

Card Reader

+

SANE PC

AES 256 Bit Encryption
AES 256 Bit SSL Encryption

Internal

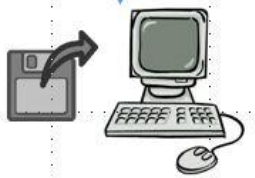
AES 256 Bit Encryption
AES 256 Bit SSL Encryption

File Portal
Temporary Storage
Auto purge after 7 days

Email received by recipient
No content attached

Click on link in email

AES 256 Bit SSL Encryption



Save Secure File to PC
AES 256 Bit SSL Encryption

Recipient calls sender for passphrase to decrypt AES 256 Bit Encrypted Secure File

SDFI Flow Chart

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