

## **SIFT Digital Law Enforcement**

### **SIFT SmartCapture • SIFT Pro • SIFT FlexView**

- Multi-Angle HD/SD Smart Capture Software
- Digital Evidence Management Software
- Digital Evidence Viewer and Presentation Creation

#### **What you will learn in this white paper**

There is a solution to the ever increasing digital evidence management problem that law enforcement agencies struggle with. As the transition from physical evidence to digital evidence increases, the resulting accumulation of digital evidence creates an abundance of files that are difficult to search, organize, manage and play if they are media. The **SIFT** Digital Product Family more efficiently organizes, captures and presents video, audio, images and documents with search data.

## SIFT Digital Products

### ● **SIFT SmartCapture** - *Multi-Camera HD Capture Systems*

- Multi-Channel Facility Audio & Video Capture and Storage Software
- Multi-Angle, High Definition, IP Camera Capture Systems
- Captured Audio Plays in Sync with Video
- Live Data Entry and Bookmarking

### ● **SIFT Pro** - *Intelligent Digital Evidence Management*

- Import, Manage and Playback Multi-Angle Video Evidence and Data From SIFT SmartCapture
- Digital Evidence Management for Video, Documents, Photos and Audio Files
- Securely Ingest Digital Evidence
- Creates Secure Evidence IDs
- Data Entry, Search, Retrieval and Distribution of Digital Evidence
- Proxy Transcoding and Conversion of Video, Audio and Images while Preserving Evidentiary Standards

### ● **SIFT FlexView/FV Pro** - *Hypermedia Evidence Viewer*

- Displays most Digital Evidence Files, Live Cameras and Websites
- Displays Multi-Media SIFT Pro Search Results and Proxies
- Hypermedia Presentation and Evidence Viewing Software
- Touchscreen Capable Interface
- Full Screen Presentation Output (Multi-Format)
- Bookmarking, Tagging, and Data Annotations
- Protects Original Evidence
- Proxy Digital Files are Viewed, Tagged, Transferred and Shared
- Creates Encrypted and Password Protected Evidence Bundles
- Courtroom Presenter

**All of the SIFT Digital Products are fully integrated to create  
A One Product Multi-Media System with an End to End Customizable Workflow**

## The Unique SIFT Market Position

***SIFT Digital innovations take advantage of new technologies to create an easy to use, affordable video capture, digital evidence management and presentation suite for any size agency or budget. By combining new approaches to SmartCapture of video with indexed data automatically attached, a full feature digital evidence manager, editing and transcoding engine, and Hypermedia evidence presentation and tools, SIFT is the only end to end solution of its kind. By eliminating the dependency and expense of older server based technologies, SIFT Digital also accomplishes this unique workflow solution in a portable environment for modern digitally driven organizations. The SIFT Digital Product Family's unique advantages are:***

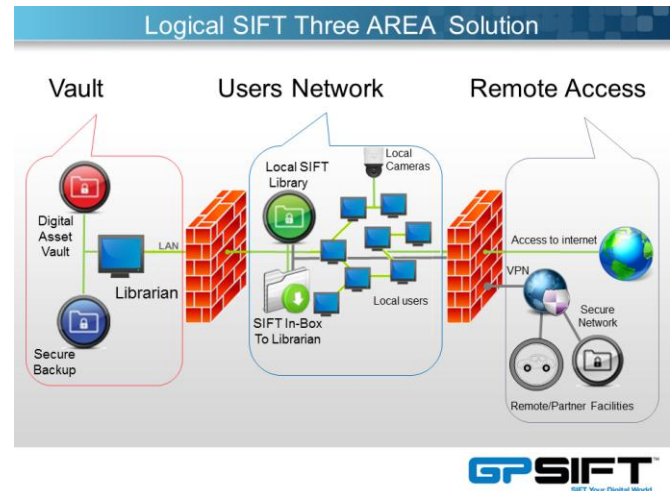
- Store It Forward Technology (SIFT)
- Single Product Suite for an End to End Solution
- Metadata Based Workflows
- Proxy Video and Audio Software and Digital Standards
- Process and Workflow Automation
- Secure Evidence Ingest with Verification Algorithms
- Digital Evidence Verification Software
- Significant Price Advantages in Product Design and Deployment
- Customizable Automated Workflows and Flexibility
- Hypermedia Evidence Presentation Software
- SIFT Courtroom Presenter

### KEY FEATURES

- Open format platform handles virtually any digital evidence
- Does not require an expensive server
- Does not alter the original digital evidence unless directed by user
- Creates and converts video and picture evidence to multiple industry standard formats
- Video trimmer to easily distribute clips of video evidence
- No Single Point of Failure with real-time automated backup
- The most unique digital evidence management system in the industry

## SIFT Digital Software Toolkit Features

- Using **SIFT Digital** products create an easy to use, and affordable, complete Digital Evidence Management Solution. Starting with **SIFT Pro**, the creation of a Digital Evidence Vault begins by either Securely Ingesting existing evidence or using **SIFT SmartCapture** to ingest video evidence from the facilities' interview rooms or monitored areas into the **SIFT Digital Evidence Vault**. The Secure Ingest Tool adds digital evidence files into the Vault, verifies its authenticity on transfer, and secures it while indexing and adding data tags to make files searchable. Labeling evidence with the Secure Ingest Tool creates searchable attributes so the evidence is easily retrieved. Digital signature verification and unique identifier algorithms ensure authenticity.



- **SIFT SmartCapture** captures multiple synced video and audio sources with data tags. IP cameras or converted analog feeds are recorded in High Definition or Standard Definition. Cameras are used in interrogation rooms or for facility capture. PTZ IP cameras are controlled with the software using Pan, Tilt and Zoom functions imbedded in the application.
- **SIFT Pro's** Secure Ingest brings virtually any form of digital evidence into the Digital Evidence Vault; entire folders of evidence, images, files, digital audio and video media (SD or HD) with searchable metadata and environmental metadata already attached. Digital evidence is transferred from many devices like cell phones, portable cameras, DVRs, internet sources and third party applications. Secure Ingest creates a unique file name and computes a unique evidence identifier to search the evidence in the Digital Evidence Vault. The Evidence Authentication feature ensures that digital evidence is ingested accurately and is authenticated. With **SIFT Pro's** Logging Tool, evidence supervisors easily make customizable, button panel logging tools to add additional data tags to evidence for further indexing and bookmarking.
- **SIFT Pro's** Search Tool gives users search and query of the Digital Evidence Vault with a Google™-like search functionality to quickly find evidence files and make evidence lists from search results. Evidence lists are saved, shared, modified or presented with **SIFT FlexView**. Proxies of evidence are created for manageable evidence transfers, to protect the original evidence and to create standards for video and audio codecs for playback. Evidence is stored or delivered to other users on the **SIFT** system. Utilizing **SIFT Digital's** Store It Forward Technology (SIFT), evidence can reside on a local machine or a central storage location, removing the need to be connected to a central server and minimizing bandwidth usage and restrictions. **FlexView**

Security encryption and passwords ensure that only the appropriate end users access the digital evidence packages.

- **SIFT FlexView & FlexView Pro** display Evidence Lists from the Evidence Vault, or works as a standalone Hypermedia Evidence Presentation solution. The adjustable, multiple window interface loads multiple evidence files simultaneously to create a Hypermedia Evidence Viewer. **SIFT FlexView** supports digital evidence with its native playback application, and also supports live web browsers and live HD IP video camera feeds. If the video, audio or image “player” is not present, then FlexView keeps the association with the files native application and will call it to launch the digital content. Additional **SIFT FlexView** tools include image drag, zoom, and drawing tools that do not alter the original source evidence. **FlexView Pro** adds tags, bookmarks and other notes to digital evidence such as video, audio, images, and documents. **FlexView Pro** also includes a video and audio segment editor to identify digital sequences in the content and attaches data to them for instant access, eliminating scrolling or fast forwarding though video and audio files. **SIFT Courtroom Presenter** displays FlexView Presentations with a full screen display to a device, such as a monitor or projector. Easily navigate and display critical evidence, zoom in on video and pictures, present legal documents and display tags, notes and telestration on evidence, without compromising the actual evidence.
- Workflow automation makes your productivity increase. **SIFT Pro’s WatchExec** helps integrators and IT staff design custom automation in your Digital Evidence Management System. Transcoding, capturing, publishing, delivery, backup and verification of your evidence files are configured to the client’s workflow. For example, when video files are ingested from the field into the Digital Evidence Vault, the software can automatically create proxy files, backup the digital evidence and metadata, transfer and update another storage location and notify a supervisor with an email or text.

## SIFT Digital Law Enforcement Use Cases:

### Video & Audio Facility Recording

Law enforcement agencies have many needs for capturing video and audio. **SIFT SmartCapture** is used in a police interrogation room. High Definition IP cameras capture video and synced audio of sessions in the room. Simple touch start, stop and pause capture controls allow the sessions to easily be recorded. Data tags quickly identify information about the subject, date, time, case ID and other specifics. As the interrogations are captured, they are indexed, validated, secured, and backed up in the Digital Evidence Vault, converted to a web video format and delivered to specific personnel who need to view the sessions immediately, while preserving the original interrogation to comply with evidentiary standards. Other digital evidence, like reports, pictures, video and other notes are also securely ingested into the Digital Evidence Vault.

Investigators search the Digital Evidence Vault for information about a suspect or case. Immediately the interrogations and other digital evidence are available. All evidence is loaded into **SIFT FlexView** for review or for displaying in a hearing or meeting.

**SIFT SmartCapture** provides multi-angle HD IP video capture, with audio anywhere in your correctional facility. High quality HD video cameras are strategically positioned in locations in the correctional facility, like the courtyard or booking areas. **SIFT LiveView** allows real time, full video quality monitoring with audio of all of the cameras being captured, with the ability to isolate full screen on a single camera.



**SIFT LiveView Camera Monitoring**

**SIFT LiveView** is deployed throughout the facility in supervisor offices. During capture, easily bookmark and add data to specific points in the video when incidents occur. Notes and data will be displayed when played back by other users with **SIFT FlexView**. Synced, multi-angle HD video captures are played back with **SIFT FlexView** to review events in the facility. All angles are displayed, and users switch between individual camera angles with a click of a button. **SIFT FlexView** allows drag and zoom of the video, to quickly isolate into a situation in a booking room, or a fight in the recreational area. This feature allows high quality video capture of more physical area, with fewer cameras. Screen print feature

captures a digital picture of the video at any point to send on to authorities.

## Digital Evidence Management

It has become more and more difficult to maintain and preserve evidence. It is vital to store, secure and protect evidence, but it is also important to still be able to use evidence, and to use evidence without compromising it. **SIFT Pro** is a Digital Evidence Management solution that organizes, protects and distributes digital evidence and files. In the police station, **SIFT Pro's** Secure Intelligent Ingest imports digital evidence. As evidence is ingested, an exhaustive verification process occurs to ensure that the evidence is transferred accurately, then a unique hash ID is computed and assigned to the evidence to ensure that the original evidence is maintained, and then a digital verification signature is added to validate the authenticity; this entire process occurs automatically once the ingest is initiated. An Evidence Officer uses customizable logging tools to add additional data like case numbers and background information to the evidence, to make it searchable. Detectives and prosecutors request information about specific cases and the SIFT Pro search tool performs a Google™-like search of the Digital Evidence Vault to quickly locate any video, pictures, digital witness accounts, reports or any other digital evidence.

**SIFT Pro's** Secure Ingest also supports ingest of evidence from third party applications, like ONSSI or Milestone. Files from these systems are ingested into the SIFT Digital Evidence Vault, identified, secured and data tagged, become searchable and still can be used with their native application. Also, proxies are created of these files to be used in SIFT FlexView or other standard media players and software.

## Using and Distributing Digital Evidence

The Evidence Officer maintains the SIFT Pro Digital Evidence Vault. When evidence is requested by a prosecutor from a detective, they perform a search of the Digital Evidence Vault and create a list of relevant evidence. Video evidence is reviewed and trimmed, to allow the distribution of only the relative video evidence segments (30 seconds of an hour video file). Proxies are created of video and picture files, while maintaining the original evidence, to ensure that they will playback correctly on other computers and to avoid distributing original evidence. Additional data tags are added to the files, and the list is cleansed for distribution.

Evidence is loaded into the **SIFT FlexView** evidence viewer and organized using multiple playlists and windows. The presentation is saved as a FlexPak (PKG) and is securely sent to any user on the network, or with access to a VPN. FlexPaks are SIFTED to the end user to prevent the need to stream large video files across a network or internet connection. Higher video quality is preserved and network load is minimized, leveraging your existing network. FlexPaks are delivered to users and immediately open in a human user interface to easily view evidence.

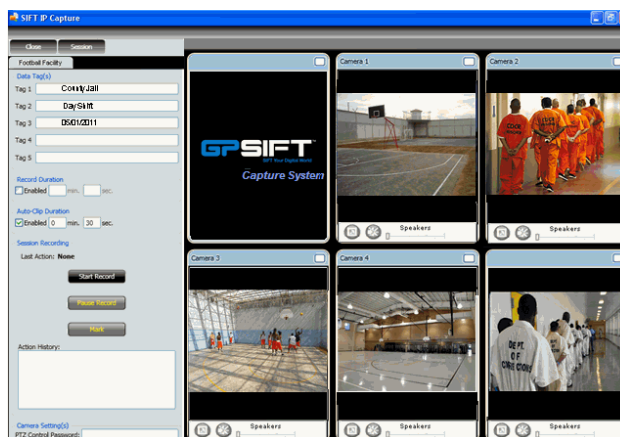
Innovative, customizable tools in the software suite allow nearly any workflow to be designed, and allows them to be highly automated. SIFT Pro's FTP tool, sends evidence, or FlexPaks to be delivered to a prosecutor's desk. Evidence is delivered across the network to other FlexView users, or across a VPN. Video or picture evidence is delivered directly to police cars in the field when trying to locate a subject. FlexPaks are encrypted and password protected to ensure security.

## SIFT SmartCapture, Multi-Angle Capture

*Video is becoming easier to gather and use, and is becoming more cost effect over time. Correctional facilities record sessions in booking rooms and recreational areas automatically, in high definition with audio, and deliver to correction officials for review.*

Correctional facilities and police stations have several different options for gathering video, but many of these options are cost prohibitive, require expensive hardware at each capture location, and do not provide easy solutions for adding data tags for recalling the evidence, synced audio, or tools for easy delivery. SIFT Digital provides a next generation, software based solution, removing the requirement of purchasing large amounts of expensive hardware to capture and serve up the video.

**SIFT SmartCapture** automatically tags video with data so it is seamlessly catalogued in the SIFT Digital Evidence Vault to be searched and edited, presented, or shared to other officials. Users set up automatic scheduled recording sessions using the easy to configure SIFT Scheduler (coming soon). HD IP cameras feeds are captured at a central location with SIFT SmartCapture software. Using the automated IP camera configuration, facilities capture multiple video feeds automatically, with synced audio, without relying on people to operate the cameras individually.



**SIFT SmartCapture Multi-Angle Capture Software**

The 'Auto Mark' feature turns video sessions into more manageable segments automatically, by capturing clips in user defined durations. This allows users to search and recall segments of content, rather than entire files. Also, as video segments are created, video immediately begins the conversion and distribution process to other users.

## SIFT Pro

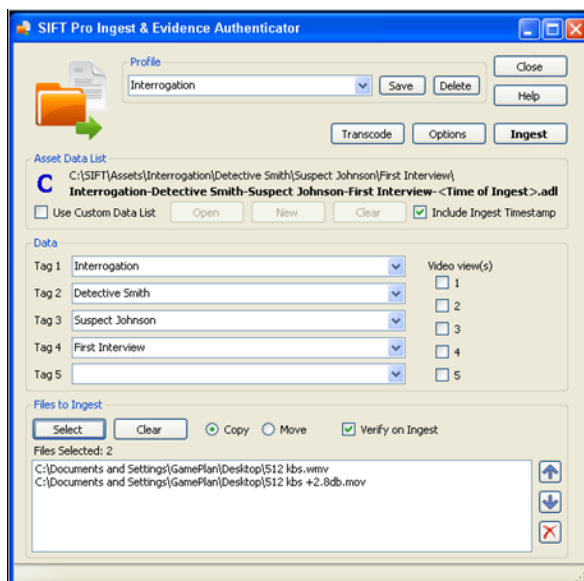
*SIFT Pro is a command center that performs many Digital Evidence Management operations. The SIFT software platform performs many different functions, with easy to use tools for evidence management. SIFT Pro gives you the ability to do all of the following in one piece of software.*

- Secure Evidence Ingest
- Playback and Review
- Metadata Tagging
- Video Evidence Trimming
- Evidence Authentication
- Automated Video, Audio and Image File Transcoding with Metadata
- Search
- Evidence Distribution
- SIFT-Pak Exporting & Publishing
- Workflow Configuration

### Secure Evidence Ingest:

With **SIFT Pro**, digital evidence is securely ingested into the Digital Evidence Vault and bookmarks are attached identifying data, location, subject, and any other broad information that describes and indexes the files. Users add more specific bookmarks as they identify information about the evidence with the user customizable **SIFT Pro** logging tool. Adding bookmarks and indexing allows anyone with access to the **SIFT Digital Evidence Vault** to easily query and recall evidence.

**SIFT Pro** handles most digital evidence in its native format without modification. **SIFT Pro's** incredible flexibility customizes the solution to be used as a 'bridge' between different software applications. If the user has an editor for video and another product for photos, **SIFT** can be configured to locate, transfer and convert material right from the other product's storage volume. **SIFT Pro** tools such as the video and picture transcoder takes large batches of digital pictures and videos and converts them to uniform sizes, resolutions and file formats, and streamlining the workflow for an end user who may use these assets in third party software, all of this while preserving the original evidence.



**SIFT Pro Secure Ingest Tool**

## Data Tagging:

**Storing large quantities of digital evidence has more value if there is an effective way to access it. Bookmarking and indexing evidence allows you to later query and recall evidence in the SIFT Digital Evidence Vault. Data is added to SIFT evidence in three ways to enable this process.**

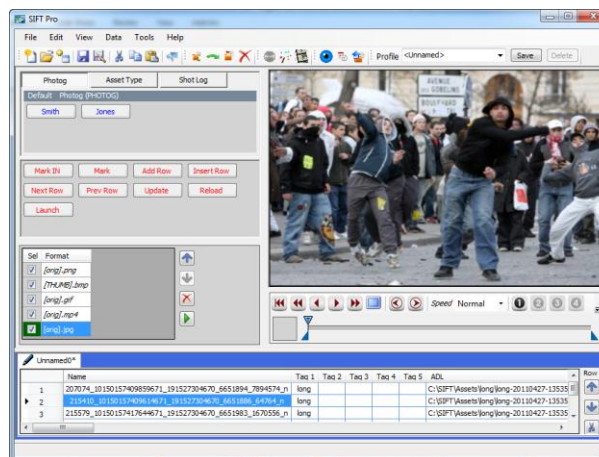
**Environmental Data** - data is “scraped” from the digital evidence when imported into the SIFT Digital Evidence Vault. The data includes file type, resolution, size, duration and numerous other characteristics if available. The data is automatically attached to the evidence, and appears with the evidence in the SIFT Digital Evidence Vault and Search Engine. All environmental data can be used for indexing and searching evidence.

**Project Data** – During the import process, users add data tags by naming the project. The project details along with customizable data tags are added to the evidence during the import process. This data is attached to the evidence and can be used for search and indexing.

**Custom User Data** - The customizable logging tool assigns data and bookmarks to the evidence individually after import. Data can also be entered directly into the data grid with standard cut and paste commands, or data is imported from third party sources, providing the ultimate in flexibility.

## Video Trimming:

**SIFT Pro allows users to find video evidence and preview them. Users trim video and audio clips to get only the portions that are necessary for a project. Trimming proxy video prepares media before converting and distributing, or can be checked back into the SIFT Digital Evidence Vault as modified video, while preserving the original evidence files and the Chain of Evidence ID.**



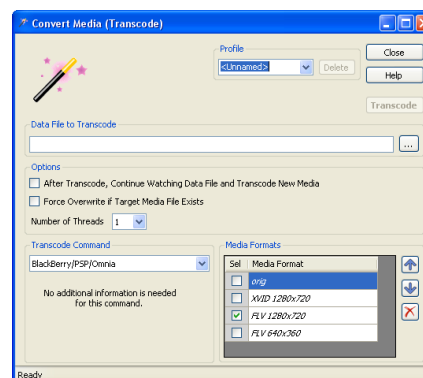
**SIFT Pro Preview and Trimmer Functions**

SIFT Pro also has editing functionality for basic trimming of video clips. Trimming video evidence files allows transfer of only the critical portion of a much longer video file, while maintaining the original source video to comply with evidentiary standards. Distribution of smaller video files creates a quicker workflow, and requires less network infrastructure to deliver evidence.

## Automated Transcoding with Data:

**SIFT Pro** has another unique feature called the **SIFT Transcoder** that runs on a server or a standard PC to take video that has been ingested and convert it to one or more formats. **SIFT Pro** also keeps the data intact for any “sister” video formats transcoded from the original, and protects the original evidence file, making multi-format video and data distribution fast, easy and affordable.

The **SIFT Pro** application is configured to “watch” various locations including the media bins of third party VMS and archive locations for new content and transcode the assets into the selected formats and automatically deliver the new video and metadata to any storage location on the network, including sister agencies and prosecutors.



**SIFT Pro Transcoder**

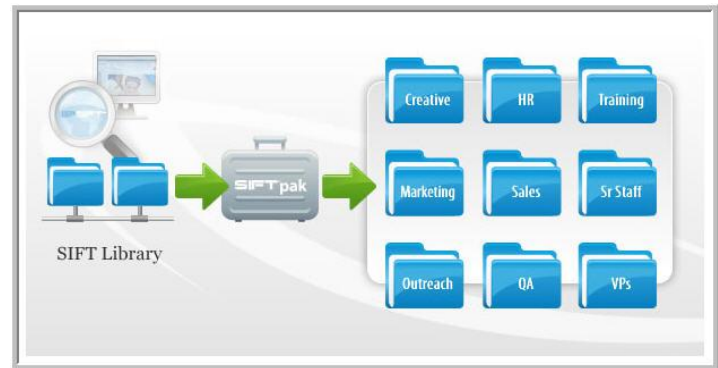
## Evidence Distribution:

The **SIFT Pro** toolkit also contains a Digital Evidence Mover option, which automatically distributes evidence to anyone, anywhere on the network or via VPN remotely. To accomplish Automated Distribution, **SIFT Pro** provides an easy to use, customizable tool that can be configured by an integrator or internal IT staff.

Using the **FolderWatch** and **WatchExec** tools, users with the appropriate permissions configure folders to be “watched” which will move from source to target folders, automatically anywhere in the **SIFT Digital** system. Move evidence to the prosecutor’s office or to squad cars out in the field. Also, if **WatchExec** converts the media, notifications are sent to email and Smart Phones, and even call Third Party applications to complete workflows between otherwise separate hardware and software systems.

## SIFT-Pak Exporting

A **SIFT-Pak** is a package of evidence—like a zip file—that contains all of your evidence. When opened with **SIFT** software, a PDL, or Project Data List is created showing all files and the associated data and are then available for use. Users with **SIFT** software can query for evidence on their **SIFT** system. After running a query and preparing a Project (PDL), users create **SIFT-Paks** to export all of the assets in the list. The **SIFT-Pak** is a container of the evidence list, data and the corresponding native assets such as video, audio, documents, graphics and more. Opening the **SIFT-Pak** with **SIFT**

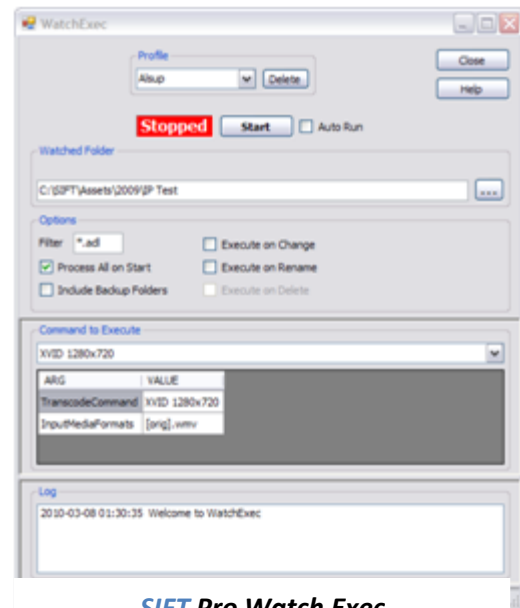


Digital software unpacks all of the assets and corresponding data. The **SIFT-Pak** also contains corresponding native assets, which are used in other applications creating a completely open source and non-proprietary system.

## Workflow Configurator

**SIFT Pro's WatchExec** application is the configuration center for **SIFT** workflows. **WatchExec** configures transcoding profiles; file distribution options, backup configurations, FTP publishing sessions, e-mail notification and more. All of these workflows are designed to be executed automatically and create multiple configurations; giving **SIFT** the flexibility with workflows in a software based system.

**USE CASE:** For example, when **WatchExec** is programmed to “watch” a location for media in a **SIFT** location or a third party directory, a full list of commands can be executed any time there is new content added to the folder. A common use for **WatchExec** is during ingest of evidence from a capture or import of media, the **WatchExec** will pull the content into **SIFT**, transcode the media to Flash and MPG-4 HD, back the card up for protection, and deliver to the prosecutor’s office or a detective investigating the case. This is all preprogrammed, user customizable, and runs multiple **WatchExec's** simultaneously.



*SIFT Pro Watch Exec*

## SIFT FlexView

*SIFT FlexView is an easy to use, multi-window, digital evidence Hypermedia Presenter delivering multiple forms and formats of evidence in a single HUMAN interface. SIFT FlexView also allows for full screen output display to function as a touchscreen A/V Command Center in any presentation area.*

Using digital evidence, or lists of evidence that have been gathered from **SIFT Pro** or **SIFT Capture** software, evidence is easily presented with **SIFT FlexView**. **SIFT FlexView** uses video, audio, images, documents, files, live web content, live IP camera feeds or almost any file to create, multi-view, Hyper-Media Presentations, which can be saved and played back on most standard video players???



**SIFT FlexView for Law Enforcement**

Combine a variety of digital evidence into **SIFT FlexView** in one to six windows for a flexible playback experience. Utilize live web browsing and live IP Camera feeds to supplement the

presentation. Enlarge any window on the fly to enhance the playback experience. **SIFT FlexView's** advanced playback tools provide drag and zoom functions to most assets, including video and pictures.



**SIFT FlexView Drag & Zoom**

## SIFT FlexView Pro

*SIFT FlexView Pro provides additional functionality to the standard FlexView. FlexView Pro is designed for people who want to use their assets. Book marking, data tagging, segment identification, and data search functionality provides the ultimate tool to easily gather, identify, manipulate and present most any type of asset or active website.*

### Data Tags & Bookmarks

SIFT FlexView Pro adds additional data to any evidence such as documents, pictures, video or audio files. Data is attached to the entire element, or for video and audio, tags are placed at specific playback positions of the file. Segment identification allows data to be applied to a duration of the file. When playing back an asset, attached data is displayed when the specific tag is reached. SIFT FlexView Pro's search functionality makes finding specific points of an asset easy to locate. Projects and data that are created in FlexView Pro are distributed to FlexView or FlexView Player stations for easy playback of a presentation with the associated data tags.



### Flex-Pak Exporting

A SIFT FlexPak is a grouping of assets that is packaged to display as a full presentation when opened in the FlexView application. The FlexView window layout is preconfigured from one to six windows, and evidence lists are populated to the appropriate windows. A HyperMedia Evidence Presentation is immediately launched when opening a SIFT FlexPak.

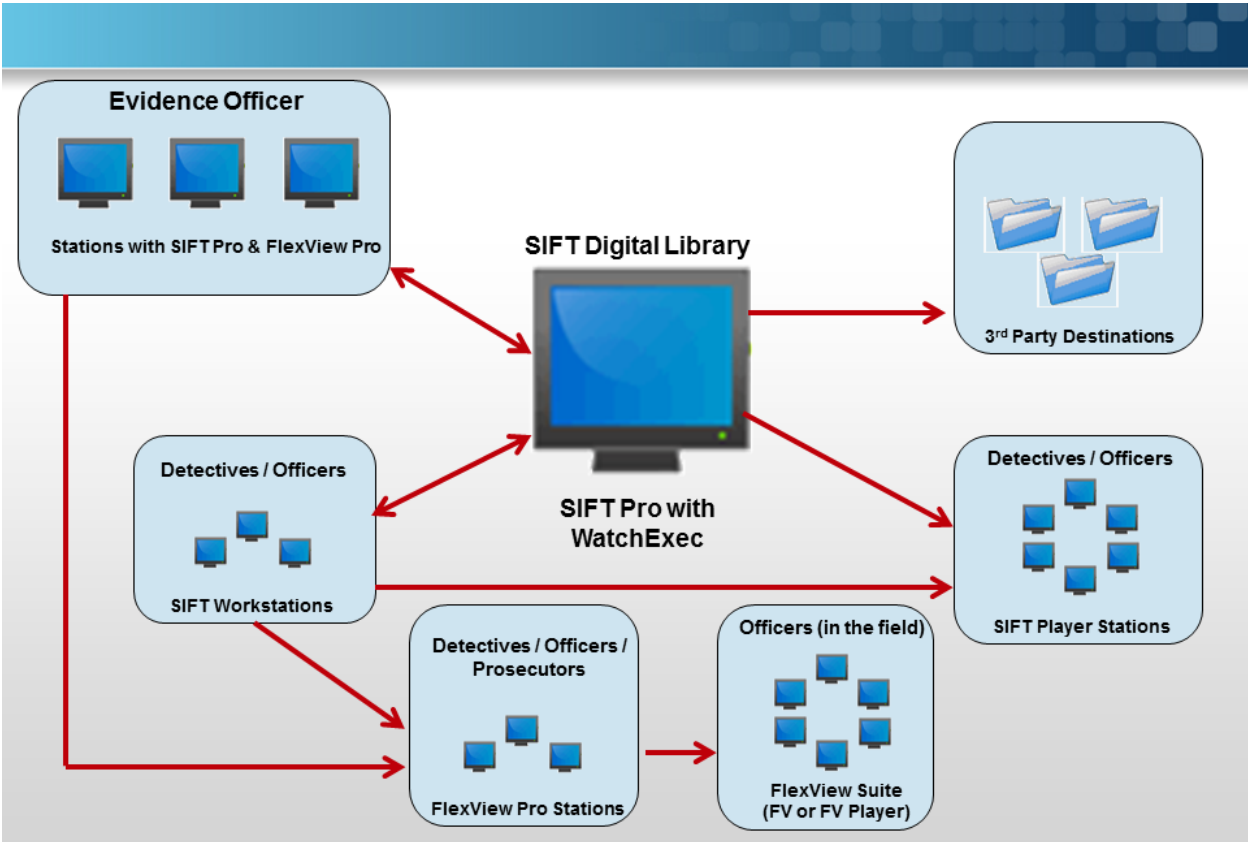
### SIFT Courtroom Presenter

SIFT Courtroom Presenter displays the contents of the main window to a device such as a projector or monitor. Any saved FlexView project or FlexPak is available to be presented. All evidence is available and is quickly accessed and presented. Advanced presentation tools provide video and photo zoom, telestration tools and data tags to highlight critical pieces of evidence, all without compromising the original evidence.



## SIFT Digital Solution

The **SIFT Digital Software Suite** provides all of the tools for Asset Management, Transcoding, Delivery, Data Tagging, Search, and Presentation. Different versions allow sophisticated tools for power users to basic playback functionality for end users. The **SIFT Digital Software Suite** is software based, completely modular and leverages your existing network to provide the most advanced cost effective, total asset management solution on the market. Find out how to deploy the Power of SIFT today.



Law Enforcement

