mideo CASEWORKS

DEMS

Digital Evidence Management and Documentation Software

Distributed by Mideo Systeme Incorporated

Compatible With:
Windows &
IOS Devices

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Forensic Lab Topology Diagram

Latent Prints
- Universal Forensic Workstations
- Latent Capture Workstations
- Client Workstations

In-Coming Evidence
- Client Workstations

Firearms
- Universal Forensic Workstations
- Latent Capture Workstations

Crime Scene/Photo Lab
- Upload Stations
- Existing Digital Cameras

CaseWorks with Database and Interface to LIMS
- With Database & Interface to LIMS
- Network Printers
- LIMS Server
- Desktop Licenses
- Imaging Server
- Network Printers

CASEWORKS DEMS
Secure Digital Evidence Management

Trace Evidence/QD
- Forensic Workstations
- Trace Expert
- Hair & Fiber
- Comparison Microscope

Drug Chemistry
- Drug Documentation Workstations

Forensic Biology/DNA
- Low Power Scanning System
- Mobile Bio Expert With Microscope
- Motorized Stage System
- Motorized Stage System

Enterprise Digital Evidence Management

CaseWorks is a secure, adaptable and scalable enterprise digital evidence management application for the maintenance and optimization of images and digital evidence. CaseWorks can be deployed as a standalone or organization-wide infrastructure in small or large agencies. CaseWorks manages digital evidence from the point of occurrence to resolution.

CaseWorks[DEMS] Core Capabilities

- Client/Server Digital Evidence Management
- Configurable Data Fields and Workflows
- Object Level Security Controls
- Vector Based Graphics
- Comparative Evidence Analysis Workspace
- Powerful PDF and Hard Copy Reporting Tools
- Extensive Image Informatics Tools
- User/Manager Messaging and Notification

CaseWorks[DEMS] Modules

- Thin Client Web Interface for Crime Scene Investigation
- LatentWorks e-Latent Case Management Module
- Bio Connect (NIST) Interface Module
- Photo Lab / Crime Scene Workflow Kiosk
- TrainingWorks Fingerprint Comparison Module
- Forensic Lims Interface

CaseWorks[DEMS] Plug-Ins

- AFIS Interface
- Adobe Photoshop Interface
- Live Camera Control Module (Canon & Nikon SLR's)

Take control of your data, manage users, configure data collection to meet your needs and those evolving accreditation standards (e.g. documentation concurrent with analysis for SWGFAST security and image integrity for SWGIT and consistent case notes), and reports, policies and procedures to meet ASCLD-LAB & ISO 17025 guidelines.

It all happens within one set of software products from one well-respected company. Going paperless does not need to be an overwhelming task but requires the right tools and the right company to support your goals. Mideo also offers a full line of ergonomic imaging workstations for each department of the crime lab and law enforcement agency infrastructure no matter the size of your agency.
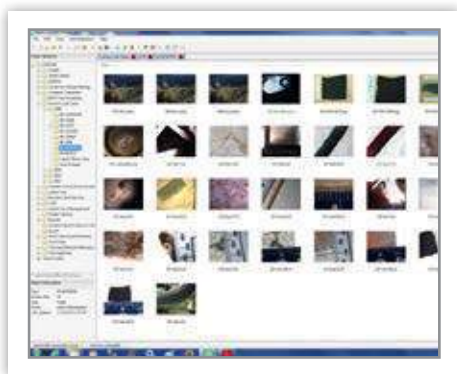

Client/Server Case Digital Asset Management

CaseWorks offers a familiar and flexible workflow structure configurable to meet your agency's digital evidence management needs. Agencies can configure the software's features to best meet your agency's workflow. Features include: asset acquisition, tracking, authority settings, field set administration and naming policies to meet S.O.P.'s. The CaseWorks database links custom information to a user, folder, and individual file. Users can search this data to find relationships between assets that reside in different cases or across different years. Using these same tools, data can be divided into multiple folders and catalogs each with independently configured security structures and naming conventions.

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Security Controls

A complete set of administrative controls allow agency security policies to be set up and enforced. Settings control access at the group or user level or apply it to specific images or folders. Further, a comprehensive set of feature authorities allows administrators to specify individual features that specific groups or users can access.
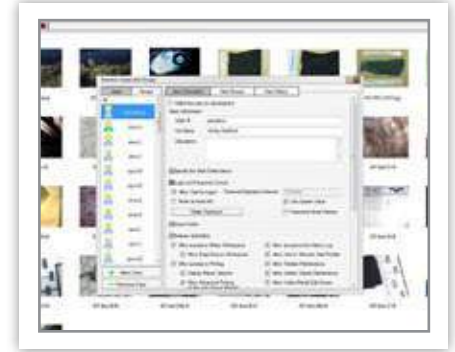
CaseWorks tracks image versioning, automatically linking a modified image with its unalterable original, regardless of how many changes occur. Image history can be automatically printed or converted to a PDF file via built-in reports. Users can revert back to historical image without altering the audited history. When an asset is imported into the database, CaseWorks using SHA-12 Hash sum verifies that the imported item is exact and unaltered as the item is stored into the database.

Comparative Analysis

CaseWorks includes a "Vector" based comparison analysis workspace for the acquisition and comparison of forensic digital evidence. Specialized graphics and image enhancement tools along with comparison workflow templates are part of this forensic workspace. Real world specialized "anchoring" tools are built in to support the workflow of latent examiners as well as trace evidence and other pattern matching disciplines. While our comparison workspace has the vast majority of filters and graphics needed for the forensic professional we have built a photo shop interface to allow the user to securely open images into Adobe Photoshop to enhance those images and return the image with all of the enhancement logs to Caseworks and merged into the image history reports.
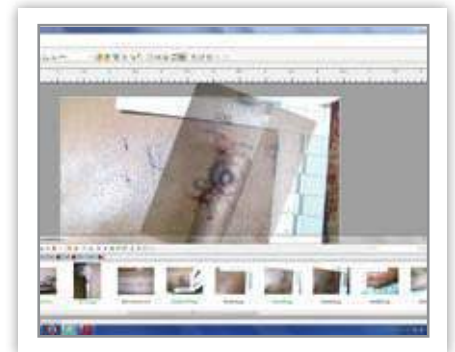
Advanced Image Informatics (Search/Retrieval)

CaseWorks enables users to "mine" information for meaningful correlations in image information. Upon submission to the database, images and folders continuously generate and track history, field set and metadata information (department, time/date, photographer. etc.) that can be queried across cases, years, users or any other criteria. Various search functions are available. A search can be run against any of the following criteria: Name, Title, Notes, Creation Date Range, Modified Date Range and Pre-configured Field Set Data.

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Software Features

Configurable Case Notes & Reporting Tools

Caseworks allows an unlimited number and variety of reports to be created. Users can build anything from a single image report to a detailed workflow summary report. Users can setup reports to include the agency logo as well as any other collected asset information (i.e. date created printed, user who created the image, case number, number of suspects, victims and so on. For latent print and other comparative analysis work, reports will automatically print calibrated images at a 1:1 scale once they are calibrated. Comparison workspaces and overall evidence images with overlays and markups can be printed directly from the workspace for analysis case notes. It is simple and easy to output all the visual information needed for final case reports.

CaseWorks^{DEMS} Modules
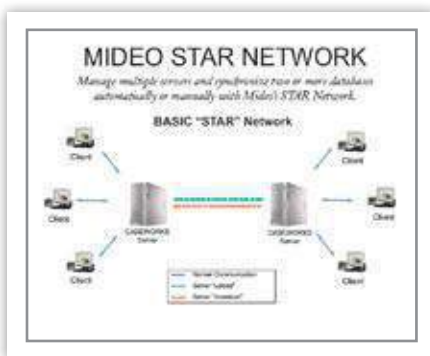
## Caseworks Star Network Multi-Site Workflow Implementation:

CaseWorks star network, a product to facilitate a distributed network, Servers distributed across a LAN or WAN can be linked together so they automatically replicate workflow data between them to compensate for low bandwidth infrastructures. Unlike traditional replication services the data that is duplicated is very precisely controlled not only when the replication will happen but what data will be included. This enables reliable transfers even across very slow networks.

For your peace of mind, replicated data can be secured and will always be verified via HASH totals. The network service is even intelligent enough to pause, and then resume transfers if the network connection is disrupted. With its detailed configuration options, easy to use interface and highly reliable transfers the Star Network blasts image based distributed workflows into the future!

Mideo Photo Lab Kiosk Module

The Mideo Photo Lab Kiosk Module is designed for forensic labs and law enforcement agencies that require a fast and easy method for uploading, viewing, printing, and burning images and digital evidence to CD/DVD. The Kiosk Module is a simple step-by- step wizard that guides users through the import process. Items can be imported from a variety of different sources, including smart cards, CD/DVDs, memory sticks, or other digital devices. Upon each import, a session log is created that allows the database administrator to keep track of user activity, date/time information, speed and asset volume of submissions. The asynchronous upload allows multiple CSI personnel upload images simultaneously while the system manages the bandwidth during the upload.
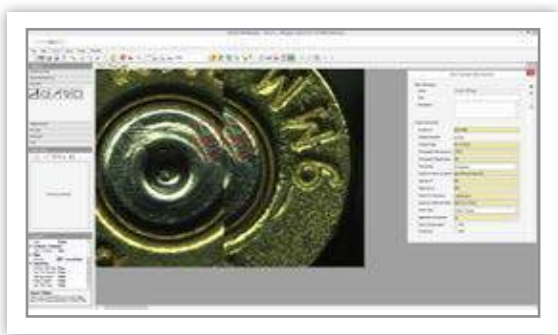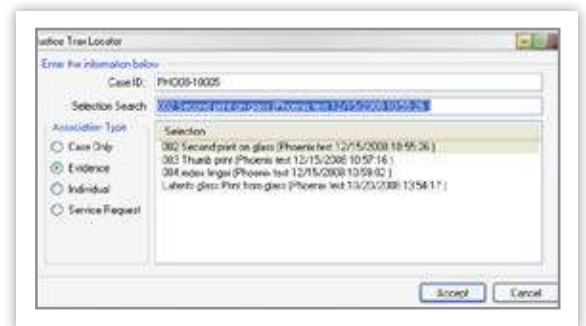

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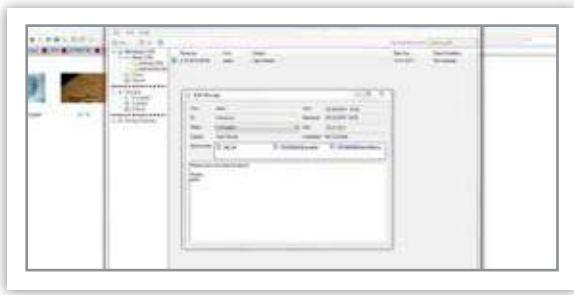
CaseWorks Messaging/Notification Module

CaseWorks has built-in mail and request services which allow for simple and effective automated task management. These services include exchanging messages between users, assignment and response tools, tracking cases and backlog analysis. Recipients are notified when a task has been assigned and supervisors are notified of the status of their requests. Files and folders can be attached to messages with total security. Templates can be created for common messages and automatic messages can update all relevant parties.

CaseWorks LIMS Connect Module

The CaseWorks LIMS Connect module provides a direct interface to a Forensic LIMS (Laboratory Information Management System). This module allows CaseWorks to communicate directly with the forensic LIMS to retrieve or submit case information between the LIMS tables. Caseworks can build a bridge between your AFIS and LIMS to semlessly transfer data between all three systems.

Firearms and Tool Marks Workflow Module

GunWorks provides a group of specialized tools and features specifically for Firearms and Tool Marks documentation and Pattern Matching. This provides a systematic structure which automates the natural steps in the workflow process. CaseWorks promotes consistent imaging workflow policies and procedures.

GunWorks - Firearms Workflow Module combines the Firearms and Tool Marks analysis processes into one consistent, manageable, paperless, electronic workflow. This module addresses the need to gather and track all evidence analysis information from a case, link evidence together within a case, establish relationships to evidence from other cases, control the movement of the case through the agency from open to close. New documentation standards make it critical for all examiners to refine the process of how their work is accessed, processed, communicated and documented throughout the department.

LatentWorks Module for Latent Examiners

The LatentWorks Module extends the functionality of CaseWorks by providing a group of specialized tools and features specifically for latent identification documentation and comparative analysis. This provides a systematicnetwork based software solution which automates the natural steps in a latent print workflow process. This standardizes documentation practices between examiners and provides overall consistency throughout the latent department.

The LatentWorks Module Provides Tools For:

- Contemporaneous ACE-V Documentation
- Simple side-by-side on-screen comparison
- Automatic Report Generation
- Messaging/Notification
- Documentation and charting of key latent characteristics

- Automated case notes
- Verification
- AFIS Submission
- NIST Viewer and Printer (EBTS files)

Our innovative and intuitive comparison workspace templates are designed to enhance the ease and efficiency of the on-screen comparison process. These "predefined" workspaces allow multiple pre-sets for image data, display size, position of the images and the tools to quickly drag and drop images for high volume of comparisons. All templates are fully configurable to meet each user's comparison methodology.

CaseWorks has built-in mail and request services which allow for simple and effective task management. Workflow data fields provide step-by-step tracking of data related to each latent image analyzed and its relationship to each examiner and allows the comparison of multiple latent prints to multiple exemplars with built-in verification. All of the data is automatically linked to the your agency's pre-configured reports which leads the way to a fluid ACE-V documentation process.

AFIS Interface - Fingerprint Workflow

Mideo has created a revolutionary bridge between Latent print and AFIS units which eliminates "sneaker netting" and provides more efficient case management, seamless access to AFIS 10 print archive for comparisons and documentation.

CaseWorks^{DEMS} Plug-In

Adobe Photoshop Interface

For users who want to perform advanced image enhancements, a direct interface to Adobe Photoshop™ is available as a plug-in to CaseWorks. Photoshop™ launches directly from CaseWorks and imports selected images from CaseWorks database with all of the Photoshop™ history and metadata intact.

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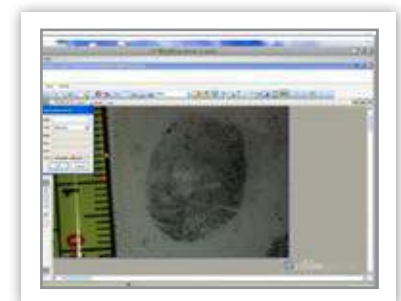
CaseWorks^{DEMS} Thin (Mobile) Client helps to extend the functionality of CaseWorks DEMS by providing the ability to upload, view, and print images using any digital device *(i.e computer, laptop, or tablet)* remotely!

CaseWorks Thin Client Functions Include:

- Internal and External uploading, viewing and printing to and from digital evidence database
- Secure authorized remote access to the database by remote users or outside agencies.
- Easy management of the database and users by IT personnel.

Web Based

CaseWorks^{DEMS} Thin (Mobile) Client provides a secure remote browser access to your digital evidence. This keeps user, security and digital evidence management centralized in your on-premises database, while offering all of the portability of a cloud-based application.

Highly Secure

Because of the high security standards of law enforcement, IT managers can insure that data is being managed, secured and backed up according to their own internal protocols while allowing field agents and wireless lab devices direct access to data.
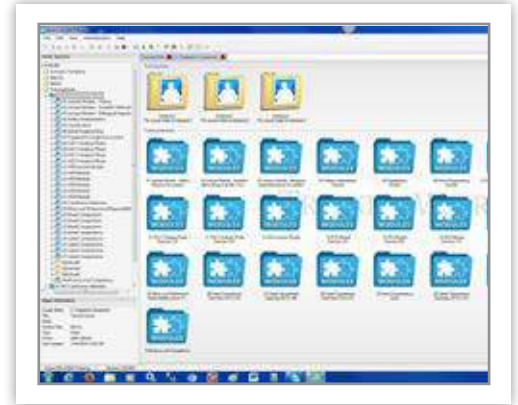
Cross Compatible

Securely access your digital evidence remotely using yout desktop, laptop, iPad, or Smart Phone all with maximum security portability accross devices and operating systems.

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TRAININGWORKS

Complete Fingerprint Comparison Training Course

Mideo has teamed up with several of the largest agencies in the country to create this comprehensive computer-based Fingerprint Comparison Training Course. This blended training platform includes all course materials and exercises required to train new examiners to expert level with minimal supervision required. Our powerful comparison workspace, vector mark up tools, auto grading, and reporting provide your instructor the ability to monitor student progress while still working on their own cases.

Compedency Develepment & Mentoring Software

In an environment of increased scrutiny and need to incorporate digital technology, training latent examiners has never been more critically important. TrainingWorks offers everything from the basics of digital on-screen comparison, to sophisticated assessment and analytics tools to monitor student test results and learning progress. exams consist of over 12,000 comparison exercises with "ground truth" validation each acquired at varying clarities and from various lift techniques. Students assess each latent to be an exclusion, inclusion or of insufficient detail. Supervisors can attach additional question sets to each latent as per their agency standards and goals. Assign challenging latents to experience and new examiners for skill improvement an mentoring.
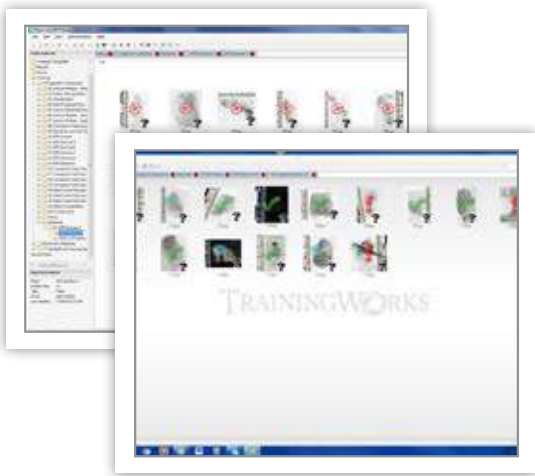
Latent Examiner (Student)

- Learn to employ the ACE-V documentation process
- Perform and digitally document comparisons
- Employ on-screen digital enhancement techniques
- Take and submit comparison and curriculum exams.
- Electronically request Mentoring support
- Document visual analysis
- Completed Certification Document

Latent Supervisor (An Experienced Latent Examiner)

- Complete Lecture & Comparison Course Materials
- Over 12,000 Comparison Samples
- Automated Review and Grading
- Competency Development and Student Tracking
- Proficiency Evaluation and Reporting
- Visual Documentation/Markup Recording
- Automated Request for Mentor Assistancex

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HardwareSolutions
Integrated Imaging Workstations

Mideo offers ergonomic hardware configurations designed specifically for individual forensic applications. The Universal Workstation includes microscopes, cameras, articulated arms with cameras, computers and accessories all of which are fully adjustable for the user's comfort and safety. All systems are scalable to enable organizations to implement the solution that best fits their needs and budget.

48" Universal
Forensic Imaging
Workstation

60" Universal
Forensic Imaging
Workstation

OFFERING EXTENSIVE SOFTWARE & IMAGING SOLUTIONS FOR THE FORENSIC COMMUNITY

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