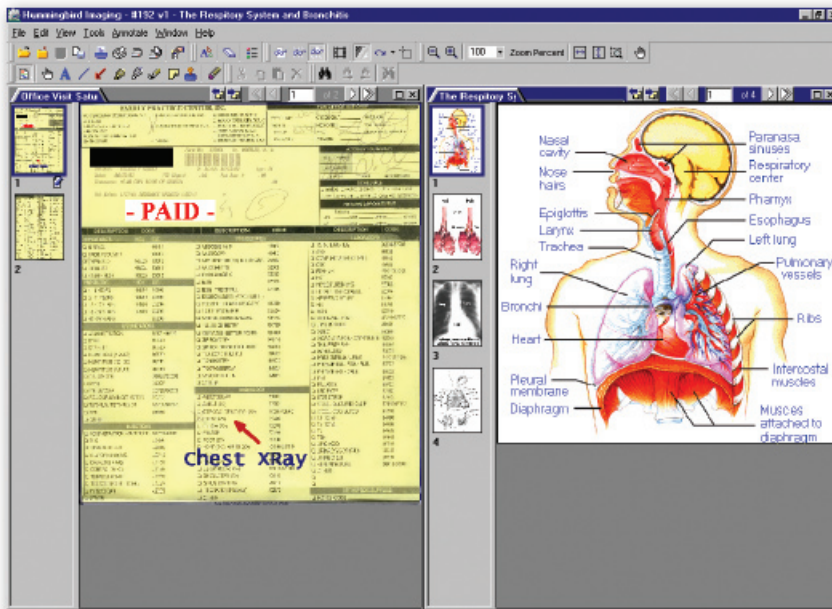


Hummingbird Imaging™



Hummingbird Imaging transforms paper-based documents into digital knowledge assets through capture, markup, and OCR capabilities that extend the sophisticated content management platform provided by Hummingbird DM™. Managing electronic- and paper-based information in an integrated repository dramatically reduces the costs associated with filing, retrieving, and storing legacy corporate information.



Seamlessly integrated with Hummingbird DM, Hummingbird Imaging gives users simplified access to image documents and includes powerful annotation and OCR tools.

With few exceptions, organizations receive and generate documents in electronic as well as paper-based formats. This raises the question of how to best store paper documents while providing the same easy access that users enjoy for electronic information. Although some software solutions include rudimentary storage and retrieval capabilities, they leave out many features that are required to efficiently leverage paper-based information such as contracts, historical corporate records, and documents obtained from third parties.

Hummingbird Imaging

Hummingbird Imaging offers a total solution for image management by delivering the features Hummingbird DM users rely on for metadata and content indexing, retrieval, security, versioning, and activity tracking. All of these features enable quick adoption, streamlined implementation, and a faster ROI. Robust tools for scanning, annotating, and generating OCR output are found in an intuitive interface for Web and Windows desktops. A server component speeds access when images are requested from the DM repository, creating page thumbnails while caching and delivering pages dynamically on demand.

New in this Version

Search Term Highlighting:

OCR results of images are indexed by Hummingbird's SearchServer™ to enable searching for specific terms contained in scanned documents. Search term highlighting is now supported to help users easily recognize search terms found inside image files. Hummingbird Imaging provides options for moving to the next and previous occurrences of the search term to give users quick feedback to know if their query yielded the right information.

Flexible Scan Options:

Users eliminate repetitive tasks by configuring the desired initial action for scanned documents — “prompt,” “insert into the current document,” and “create a new document.” Additionally, regions on paper documents can be targeted for printing and OCR processing — the latter designed to strategically capture the same content on multiple pages so that the information is systematically indexed and easily searched.



If organizations could leverage paper-based and electronic documents by providing thousands of users secure, enterprise-wide access, it would mean they could harness content resources and react faster in evolving business climates. And if they could limit the liability associated with retaining records and digital assets by relying on automatic record disposition or destruction, it would mean they could better manage their risk and improve accountability. Consider it done with Hummingbird DM, Hummingbird RM,[™] and Hummingbird Imaging — a suite of solutions for enterprise document, record, and image management.

Key Attributes

Seamless Integration Backed by Powerful DM Features: Hummingbird Imaging allows users to easily interact with Hummingbird DM as a fully integrated application from a browser-based DM Webtop or an intuitive Windows-based interface. Images can then be managed as any other type of digital content in the DM system, with flexible security, access tracking, and revision control.

Flexible Annotation and Review Capabilities: Myriad annotation features allow comments or additional information to be added via highlighting, redaction, sticky notes, text, lines and arrows, freehand scribble, and rubber stamps. Users that access images frequently can increase their efficiency by configuring custom horizontal or floating toolbars. Additionally, “tear-offs” allow users to create new image documents using existing ones by selecting pages to copy or move from the thumbnail view. Event logging of file changes — including creating or removing pages, modifying annotations, or adding OCR attachments — provides a complete history for tracking an image file’s evolution.

Streamlined File Storage Capabilities: Single or multi-page scans with TWAIN and ISIS scanners leverage investments in common desktop and shared workgroup scanning devices. A post-save verification prevents errors by notifying users if a file does not correctly save to the server. The file can then be recovered from the shadow directory to safeguard against lost data. Support for industry standard image file formats such as CALS, PCS, BMP, and JPEG eliminates the need for conversion. And in lieu of attaching large images files to messages for review, users may alternately e-mail a Hummingbird DM document reference to preserve bandwidth.

Image Viewing, Enhancement, and Conversion Features: Hummingbird Imaging provides a single tool for managing document images received via scanner, fax, or imported from other applications. It supports viewing up to 12 images at once within a single session. Image cleanup via the deskew / despeck process improves overall image quality and accuracy of OCR results. And to leverage the full power of Full Text Search and image “edit-ability,” character-based data from scanned or faxed documents can be automatically converted to text, HTML, or Microsoft Word format and attached to the image.

Rapid Deployment and Simplified Administration: Installing Hummingbird Imaging across the enterprise is made easy with a web-based Deployment Tool that includes Imaging in component packages that configure the Hummingbird DM experience. This minimizes the need for administrators to visit workstations during system rollouts. Installations can be achieved via web download from the DM WebTop options page, physical media distribution, login script, or push technology like Microsoft’s SMS.

Fully Integrated Records Management Solution: Imaging is often a crucial element in initiatives to digitize paper-based documents and manage them as records. Hummingbird Imaging is seamlessly integrated with Hummingbird RM, a solution that creates an organized, secure environment to manage and protect the complete lifecycle of corporate knowledge assets — from creation to ultimate disposition — and certified to meet the U.S. Department of Defense (DoD) Records Management 5015.2 standard.

System Requirements and Supported Platforms

Hummingbird Imaging IIDS Server

- Processor: Dual Pentium III 600 or better recommended; Pentium III 600 minimum
- Operating Systems: Windows 2000 Server/Advanced Server, Windows NT Server 4.0 SP6A
- Memory: 1 GB or greater recommended; 1 GB minimum

Hummingbird Imaging Client on DM Webtop and DM Extensions Workstations

- Processor: Pentium III 600 or greater recommended; Pentium III 500 minimum
- Operating Systems: Windows XP, Windows 2000, Windows 98 SE, and Windows NT 4.0
- Memory: 256 MB Recommended, 128 MB Minimum
- Browsers: Microsoft Internet Explorer 6.0 and 5.5, Netscape 7.02
- Java and JavaScript support is required in all browsers



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