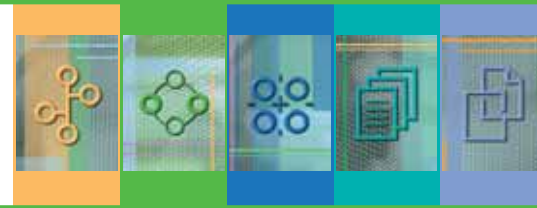




Universal Send PDF Features

Communicate without Barriers, Share Information with Ease



With Canon's proprietary Universal Send technology, our imageRUNNER® Series allows workgroup users to distribute scanned documents to multiple network destinations—such as individual or group e-mail addresses or Internet faxes, local Mail Boxes, network folders, and document management systems—in one simple operation. This helps eliminate the expense and administrative burdens associated with forwarding and filing hard-copy documents. Universal Send offers a number of productivity-enhancing features, including the ability to select several industry-standard file formats.



Handling Electronic Information Efficiently

One of the challenges faced when scanning and converting color documents into electronic data is file size. Color image data can consume many megabytes of memory, resulting in network bottlenecks or file attachments that exceed maximum file limits. Canon's solution to this problem is PDF High Compression Mode,* which dramatically reduces the size of the resulting PDFs when documents are distributed via Color Universal Send.

PDF High Compression

File Size Comparison
Original: Letter-sized hard copy (color graphics with text)

MarNaj Manors	MarNaj Manors	MarNaj Manors
Canon's PDF (Compact) 300-dpi Color Scan File Size: 150KB	PDF File Format 300-dpi Color Scan File Size: 2MB	PDF File Format 300-dpi B/W Scan File Size: 390KB

For instance, a letter-sized color document containing text and photos scanned at 300-dpi resolution would create a file of about 2MB. The same document, also scanned at 300 dpi with Canon's PDF High Compression technology, would be reduced to about one-tenth of the original file size, without compromising image quality.

PDF High Compression utilizes our innovative document analysis technology. To reduce file size, scanned images are first converted into multiple layers for elements such as text, backgrounds, and other graphics. The optimal compression methods are applied to each layer, and each layer is then re-integrated into the PDF file. Thus, color documents are scanned at a high-compression rate while retaining the integrity of text/images. As a result, even complex color pages can be handled efficiently without affecting image quality or text legibility. Scanned color images have minimal impact on network performance and maximum visual impact on the user. Canon's PDF High Compression technology creates a new environment in which working with color documents in the general office becomes the norm!

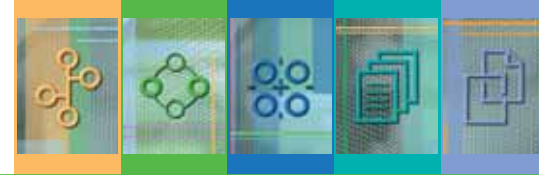
Using your color scanner, scan this page at 300 dpi and note the file size.

SCAN ME!

Now scan this page using Canon's PDF High Compression technology. Notice the clear text and color as well as the compact file size—approximately 140K!

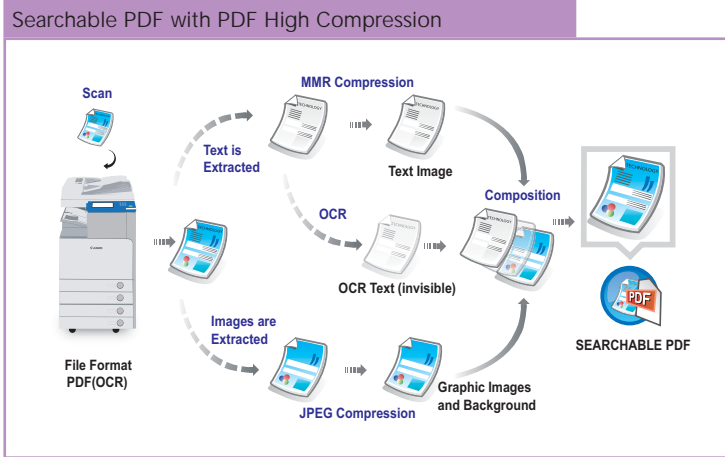
*Offered only with Canon's color-enabled and Color imageRUNNER devices.

Universal Send PDF Benefits



Creating PDF Documents with Searchable Text

Although most of today's MFPs can convert paper documents into PDF files, users are limited in their capacity to search the contents of scanned images.



But now with Canon's new PDF Enhancement Kit for Universal Send, you can easily scan and convert documents into PDF files with text information included. This allows you to find scanned documents in a file server by keyword, and enables you to extract and reuse text data for creating a new document.

This technology utilizes text extraction and high-speed OCR technology based on Canon's proprietary "document analysis technology." A compressed binary image, a compressed graphic image, and transparent text data are combined to form a high compression searchable PDF file.

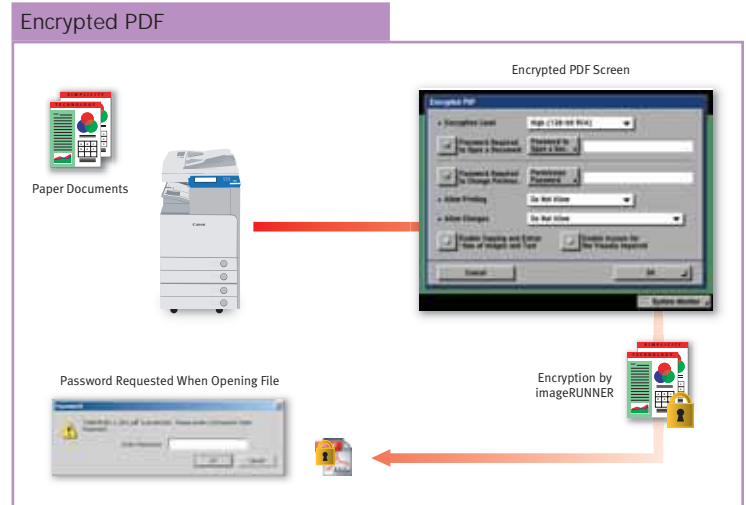
Scan this page at 300 dpi.
Can you search this file for text?

SCAN ME!

Canon's PDF enhancement features enable your documents to be both searchable and encrypted.

Creating Encrypted PDF Files

PDF (Portable Document Format) is a document exchange format developed by Adobe® Systems that is widely used in the exchange of documents on the Internet. Adobe Acrobat® is used for creating and reading PDF files and Adobe Acrobat Reader is used solely for viewing PDF files. Canon imageRUNNER devices now offer the same password-based security as used by Adobe Acrobat. This security feature allows the creator of a document to assign a password to encrypt a PDF before it's sent. Encryption is performed using RC4** private-key cryptography. PDFs sent with encryption settings can only be opened by entering a password. If only certain people or departments know the passwords, then the risk of hacking from the Internet and information leaks can be significantly reduced. If documents are accidentally sent to the wrong destinations, the recipients will be unable to view the data because they won't have the password. In addition to Encrypted PDF, imageRUNNER systems also offer several methods for preventing transmission errors, such as restricting destination addresses. Password input from the operation panel of the imageRUNNER device has been engineered for both usability and security.



**Can only be used if an e-mail address or file server is specified as the destination.

Canon
image*ANYWARE*

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