IFAXVIEW (TIFF Viewer)

User's Guide

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Getting Started

This user's guide contains important information about "IFAXVIEW" (TIFF Viewer) software.

The IFAXVIEW is a TIFF Viewer that allows you to view Internet Fax received on the PC as a TIFF Image attachment to an email.

This user's guide or IFAXVIEW software is subject to change without prior notice.

(Note 1) Windows is a registered trademark of Microsoft Corporation, U.S.A.

1. What is IFAXVIEW

IFAXVIEW is a TIFF Viewer that allows you to view Internet FAX received on the PC as a Tagged Image File Format ("TIFF") attachment to an email.

The Internet FAX is a facsimile equipment connected to an Ethernet LAN (Local Area Network) that allows you to send documents over the Internet to a remote Internet FAX or a PC terminal. It also allows you to receive and print an email transmitted by a remote PC.

The Internet FAX uses the Simple Mail Transfer Protocol ("SMTP") for communication, which is the same internet protocol used for Electronic Mail ("email").

The document is first scanned by the Internet FAX and converted into a TIFF-F formatted image file, and then transmitted to the remote location as an attachment file to an email using Multi-purpose Internet Mail Extensions ("MIME") encoding.

The email system at the receiving end must support MIME. Otherwise, the attachment file will be detached and

lost.

When you send an email message to someone, the Internet FAX uses SMTP to transfer your outgoing mail to your SMTP mail server, which in turn uses SMTP to send your mail to the Internet.

The IFAXVIEW software displays the image data on the PC by expanding the received TIFF formatted document data file.

2. What IFAXVIEW does

IFAXVIEW has the following features.

- Application software running on Windows 95/98/NT and Windows 3.1.

- Retrieves and Displays the image data that was received from an Internet FAX. It is also capable of displaying on the PC screen, other binary image data in TIFF format or Windows image data in BMP format.

- Allows you to specify 14 different levels of Zoom In/Out ratio for the displayed image.

- Brightness adjustment of the displayed image for easier viewing.

- Rotation of the displayed image by 90, 180, 270 degrees.

- Manual or Automatic paging is available when more than two pages were received.

- Change the scrolling speed of the displayed image or use your mouse to control scrolling.

- The received fax document can be saved as a reusable file in a TIFF format for send it to other Internet FAX, or as BMP file format to be used for Windows. However, only the currently displaying image can be saved in BMP file format.

- Printing the receiving fax documents.

3. System Requirements

- A Personal Computer with i486SX (25MHz) CPU or higher. (Pentium or higher is recommended)

- The 32-bit version requires Microsoft Windows 95/98 (English version), or Microsoft Windows NT3.5 or higher (English version).

- The 16-bit version requires Microsoft Windows 3.1 (English version).

- Memory: 12 MB RAM Memory or better for the 32-bit version and 8 MB RAM Memory or better for the 16-bit version.

- Disk capacity: 1 MB Free Hard Disk space or better.

- Web Browser for downloading the IFAXVIEW software.

- Email application supporting MIME is required in order to receive fax documents from the Internet FAX.

4. Installing the IFAXVIEW software

Download the desired file, "32tvxxx.exe" or "16tvxxx.exe" (where: 32 represents 32-bit and 16 represents 16-bit respectively and the "xxx" is the software version number).

The IFAXVIEW software is a self-extractable zip file format.

Double-click on the downloaded file (i.e. "32tvxxx.exe") and extract it onto a 2HD Floppy Disk.

Click on the Start button, and then click Run...
In the Run dialog box, type A:¥Setup and click on the OK button.

Follow the instructions displayed on the screen to complete the IFAXVIEW software installation.

To use it, make an association with "TIF" file extension and IFAXVIEW, or make a shortcut for the IFAXVIEW and place it on the desktop.

5. Associating the "TIF" file extension and IFAXVIEW

The received Internet FAX document always has an attached file called "IMAGE.tif".

There are two methods to display this attached file using the IFAXVIEW.

The first method is to cut the attached file from the received email, start the IFAXVIEW application, and display the attached file by opening it from IFAXVIEW application.

For additional information about retrieving the attached file, please refer to **[6. Receiving and Retrieving data from Internet FAX]**.

The second method is to start the IFAXVIEW application by double-clicking on the email file attachment "IMAGE.tif". To start the IFAXVIEW correctly, the "tif" file extension must be associated with the IFAXVIEW application.

To make this association between the "tif" file extension and IFAXVIEW.
Select the "Help" option from the "Start" menu in the Taskbar.
Open "Tips and Tricks" option.
Open "For Working with Files and Folders", and then select the "Changing which program starts when you open a document" and follow the instructions displayed on the screen.

6. Receiving and Retrieving data from Internet FAX

This section, explains how to retrieve the file attachment from the received email that was sent from the Internet FAX.

For our example, Outlook 98 was used for the explanation below, this may not apply to you if you are using other email application. If that is the case, consult the user's guide for your email application.

From the Inbox directory view the list of the received emails, double-click on the desired email file to open the email.

If the received email is from an Internet FAX, the following information is shown in the received email.

A **Clip** mark indicates that there is a file attachment to this email.

The "**Subject:**" line will display "**IMAGE from Internet FAX**".
The body message of the e-mail will show "**An image data in TIFF-F format has been attached to this email.**"

Next, right-click on the attached file "image.tif", then from the pop-up menu, click on the "Save As...".
Specify the destination hard disk directory for the file.
Since, the default file name for the Internet FAX is always "image.tif", change it to a more appropriate name, otherwise you may encounter a message that the file already exists in you local hard disk.

To display the retrieved fax image on the PC screen using IFAXVIEW application, double-click on the file name to launch the IFAXVIEW and display the image, or
Double click on the Ifaxview icon to start the IFAXVIEW, then from the IFAXVIEW window.
Select the "Open" option from the file menu and specify the hard disk directory and filename to display the image.

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7. Using IFAXVIEW

The operation for the IFAXVIEW application is described in the Menubar and Toolbar shown as icons.
The Toolbar is only available on the 32-bit version of IFAXVIEW.

File

- Select **"Open"**option or to "Open the file".

- Select **"Save As"** option or to save the image data displayed on the screen.

- Tiff and BMP formats are available when saving the image data to a local file. Rotating the image data on the display has no effect on the saved file, and the direction of the saved image will be the same as when the image was loaded.

- Select **"Print"** option or to print the image data displayed on the screen.

- Select **"Quit"** option to quit IFAXVIEW.

Edit (Available for "Halftone version" only.)

- Select **"Copy"** option or to copy the displayed image.

Display
You can adjust the brightness of the displayed image for easier viewing.

When zooming out an image, the image is thinned out and becomes smaller.
Documents written by hand, usually contain thinner lines, and zooming out results in the loss of the line(s) itself.
This may cause the information contents to disappear from the display.

Use "**Darker**" display mode for zooming out an image with fine details, and use "**Lighter**" display mode to lighten the displayed image. The default setting is "Darker" display mode.

("**Darker**" and "**Lighter**" adjustments are not included in the "Halftone version".)

 Use "**GrayZoom**" display for monochrome photographs or halftone illustrations. (Available for "Halftone version" only.)

Page

- Select "**Next Page**" option or to go to the next page.

- Select "**Previous Page**" option or to go to the previous page.

- Select "**First Page**" option to go to the first page.

- Select "**Last Page**" option to go to the last page.

- Select "**Automatic Page Up**" option or to start moving the page up automatically in a constant speed.

- Select "**Automatic Page Back**" option or to start moving the page back automatically in a constant speed.

- Select "**Stop Paging**" option or to stop automatic paging up/back.
  Left-click on the mouse anywhere on the displaying image to stop the automatic paging up/back.

- Select "**Paging Speed**" to specify the automatic paging speed by choosing one of the three speeds, "**Slow**" for 1.5 seconds/page, "**Normal**" for one second/page, and "**Speed**" for 0.5 seconds/page.
  The default speed is "Normal" for automatic paging. Automatic Paging starts from the current selected page.

Rotate
Used to rotate the direction of the received image data if its displayed in the wrong direction.

- Select "**90/Right**" option or to rotate by 90 degrees to the right each time you select this command.

- Select "**180**" option or to rotate 180 degrees each time you select this command.

- Select "**90/Left**" option or to rotate 90 degrees to the left each time you select this command.

Zoom

The default setting is 50% when you open an image with IFAXVIEW.
You can use Zoom to enlarge or reduce the image data.

- Zoom in (Enlarges the displayed image by one step)

- Zoom out (Reduces the image by one step)

Scroll(Disabled Halftone feature)

●Select **"Normal Scroll"** to load the image data to scroll each time you specify Zoom In/Out and Rotate
 Operation.

● Select **"High-Speed Scroll"** to speed the scrolling speed by storing the image data in memory.

 Both scroll modes support the dragging of the image data with a mouse, and you can move it in any direction
 you desire, **vertically, horizontally, and diagonally**. The default setting is "High-Speed Scroll".
 (Drag the mouse down in any direction while keeping the left button of the mouse pressed.)

Help

- Select **"Menu"** option or to list the contents of the Quick Operation Guide.

- Select **"Find"** option to find and display the topic you want in the Quick Operation Guide.

- Select **"How to Use"** option to list the topics on how to use the software.

- Select **"Page Information"** option to provide the detailed information about the displayed image data on the
 screen.

- Select **"Version Information"** option to display IFAXVIEW version.