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Soft IPC V.2.5

Software enhancement for Fujitsu document scanners

- Extends and simplifies the utilisation of workgroup scanners
- Offers multistream functionality (b/w and colour scan in one single step)
- Provides pre-defined profiles for optimum b/w scanning
- Enables automatic capture of front and reverse side information with different colour and b/w profiles
- Automates image enhancement with respect to additional task processing
- Relieves the operator from strenuous interference
- Optionally preserves full access to every scanner functionality

Fujitsu Soft IPC V.2.5, simply scanning all that is complicated.

Soft IPC V.2.5 is an optional software enhancement tool for Fujitsu workgroup or departmental document scanners. In conjunction with the Fujitsu TWAIN or ISIS drivers it automatically performs advanced binarisation processes and produces b/w and colour images simultaneously.

Simultaneous creation of b/w and colour images

Original documents are scanned and automatically stored into two separate files – one containing colour data, the other holding monochrome information. The colour file serves as a reference for archiving, whereas the b/w data is handed over to the next processing step, for example, text recognition.

Separate scanning profiles for front and back page

The front and back pages of the original document are scanned in a single step. The operator can have front pages automatically created in colour and reverse sides in b/w – or vice versa. This could be applicable when reverse sides contain general terms and conditions, such as on invoices.

Automatically optimized monochrome scanning



When scanning colour documents like forms in monochrome mode, the resulting image is often of poor quality. Usually the operator would have to manually change settings like brightness, contrast,

threshold, saturation and multiple other parameters for each document in order to achieve satisfactory results. This is exactly where Fujitsu Soft IPC V.2.5 can help by almost completely relieving the user from manual interference with the scan process.

Typical documents might contain mixed image and text zones or low contrast form fields. Photographs would require smoothing operations, text characters often need noise removal. Yet in order to easily process hundreds of documents, processing time is crucial. Any user interference not needed contributes to the value of scanning.

Soft IPC V.2.5 provides pre-defined **templates** that can be used for the most common document types. For example, if text documents are to be scanned, a **fixed threshold** function is available. There is no need to adjust any other settings. In comparison, **mixed document content** consisting of photo material and text might require more adjustment possibilities, especially if OCR is to be applied afterwards. This is why there are appropriate templates like **OCR DTC** or **random dither**, leaving open the opportunity to change dither, gradation, threshold, brightness and contrast values, to name just a few.

In the example given here, the operator simply chooses a template like FormDTC and automatically receives the image result shown on the left.

This result can be displayed on screen for final approval or it can be automatically stored to file. If the image is displayed first, the user can change parameter settings which are virtually applied to the scanned image. When the image quality is satisfactory, the operator confirms the chosen settings, opts to overwrite the pre-defined profile and continues with the scan process of the current batch using the newly defined settings.

When batch scanning of documents is a regular task, Fujitsu Soft IPC V.2.5 significantly increases productivity.

Soft IPC V.2.5 Specifications

Supported Fujitsu document scanners	fi-5110C, fi-4120C, fi-4220C, fi-4120C2, fi-4220C2, fi-4530C, fi-5650C, fi-5750C TWAIN only: fi-4010CU, ScanPartner fi-4010 Office, fi-4340C
Supported operating systems	Windows 98 SE, Windows Me, Windows 2000 Professional, Windows XP
Supported languages	English, French, German, Italian, Spanish, Japanese (Manual: Japanese, English)
Necessary drivers	TWAIN version 9.16.123 or ISIS version after 01/2005
Functions with TWAIN driver only	b/w and colour image simultaneously / individual b/w or colour for front and back side / 24 bit colour
Functions with TWAIN and ISIS drivers	Fixed Threshold / OCR DTC (Pre Filtering/Gradation/Threshold Table/Smoothing/Noise Removal) / Form DTC (Sensitivity/Threshold) / Dither (Dither pattern/Outline detect threshold/Brightness/Contrast) / Minimize Average Error (Outline detect threshold/Brightness/Contrast) / Random Dither (Based Dither/Gradation/Outline detect threshold/Brightness/Contrast)
Preview/parameter adjustment function	Available, adjusted image can be stored
Templates	Multiple pre-defined templates available. Further templates can be individually created

Specifications are subject to change without notice. For the latest information, contact your local Fujitsu representative.

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