

fi-5220C

Preliminary product information

Scanners



Next Generation

Workgroup scanning

FUJITSU

THE POSSIBILITIES ARE INFINITE

Fujitsu fi-5220C – A4 document scanner

A milestone in document scanning at the desktop.

- **Highest rated speeds within this scanner class for all color modes**
 - 30 pages per Minute in colour, greyscale and monochrome (150dpi)
 - 60 images per Minute in colour, greyscale and monochrome (150dpi)
- **Ultrasonic double feed detection**
- **Embossed card scanning**
 - No additional hardware needed
 - ISO 7810 compliant
- **TWAIN and ISIS supported**
ADVANCED-DTC setting
 - Creates perfect page images for monochrome archiving
 - For every single page
 - Without any additional image processing software
- **RoHS compliant product**
- **A4 size flatbed unit plus ADF**
- **Direct scanning to vast range of formats and destinations**
 - image formats, PDF format
 - scan to file, to view, to print, to fax, to email, to MS SpPS
- **Scanning profiles and processes definable**
 - access via scanner's operator panel
- **Widest range of language support**
 - for TWAIN driver and operator manual
 - English, French, German, Italian, Spanish, Portuguese, Russian
- **Full Version Adobe Acrobat 7.0 Standard included**



Adobe Acrobat 7.0 Standard

Fujitsu's fi-5220C – The workgroup scanner that will convince you

The fi-5220C desktop document scanner is loaded with all the functionality, speed, flexibility and reliability that throughout the past couple of years have convinced more than 50% of all document scanner operators worldwide to use a Fujitsu document scanner at their desktop. Now, the fi-5220C marks a milestone in professional document scanner use, even broadening the scope and scale of benefits you receive from Fujitsu's expertise in document scanner technology. The more you use the fi-5220C, the more you'll love it!

Rated Speeds and flexibility of use

The fi-5220C is the ideal scanner for small and mid-size businesses that need to archive documents, scan in reports to OCR or implement an efficient document management system. It is also perfectly suited for more sophisticated document management and workflow solutions, where scanners are needed at a single user or workgroup level. The fi-5220C offers high speed scanning at up to 30 ppm or 60 ipm in both mono and colour (at 150 dpi), enabling users to reliably scan quantities of several hundred up to 1000 documents per day. The scanner's duplex capability enables the capture of both sides of the original document in just one pass. The 50 sheet automatic document feeder (ADF) is ideal for unattended scanning of multi-page documents and batches, where paper sizes may vary from A8 to A4 or legal.

The fi-5220C combines the highly efficient ADF with an A4 size flatbed unit for scanning critical or historically valuable documents, photo materials, magazine pages or pages from books. When using the ADF, the flatbed unit's lid serves as a document batch stacker keeping the devices footprint compact enough to be ideally placed on any desktop.

Paper or embossed card handling and reliable double feed detection

When professionally scanning documents, the least you will want to encounter is missing out on valuable information. The fi-5220C ensures that every single page of a batch of documents will reliably feed through the scanners ADF. This scanner features an absolute straight paper path, minimizing physical stress on the paper itself. The fi-5220C's ADF will even permit regularly scanning embossed plastic cards compliant to ISO 7810. Chances are high that neither will an individual sheet of paper ever be crumpled, nor will you encounter misfeeds.

The fi-5220C is equipped with an ultrasonic double feed detection mechanism that will immediately interrupt the paper transport should it detect one or more sheets of paper being drawn into the paper path simultaneously. This might occur if two pages have been glued or stapled together, or if a sticky note has been attached to the document. This unique detection mechanism is unrivalled within the fi-5220C class of document scanners and greatly improves reliability and ease of the scanning process.

Productivity of document capture

The fi-5220C offers high quality capture in mono, greyscale or colour at optical resolutions of up to 600 dpi. A variety of processing functions enables the image enhancement of even the poorest quality original documents. The operator can select from a wide range of output file formats, including TIFF, JPEG, BMP and PDF, the open de facto standard for electronic file exchange and the future worldwide legal standard for archiving.

A full version of Adobe® Acrobat® 7.0 Standard is included with the fi-5220C. With this package even commenting, digitally signing and forwarding documents to a group of recipients becomes easy. For referencing to original documents, the operator can choose digital imprinting to be virtually affixed to every scanned image.

Quality of image data capture

The fi-5220C combines both relevant dimensions of image quality: speed and visibly good images.

In a professional environment scanning quickly becomes routine. So it should be fast without adding to the workload of the operator. At the same time, scanned documents should be transformed to visibly good quality images. This causes a dilemma that often enough is attempted to be overcome by supplying add-on image enhancement software. Undoubtedly, these applications can greatly improve image quality but they also significantly increase the time needed for scanning, especially with higher resolutions in colour modes other than monochrome. Rated speeds of those scanners then decrease dramatically.

Not so with the Fujitsu fi-5220C. This scanner performs image processing and enhancement based on its own hardware right when scanning – not afterwards. All enhancement functionalities are user selectable from within the included TWAIN and ISIS driver packages, directly influencing the scanner's actions.

Image Quality

Making use of the fi-5220C for every day document capture can be designed exactly to the individual's needs. For this purpose not only the resolution, colour mode or output format can be defined, but the operator can select to apply functions like image emphasis, error diffusion, moiré removal, dithering, drop out colour definition, auto-cropping, de-skew, and background colour switching. Furthermore, when scanning batches of documents in monochrome mode, the fi-5220C supports the operator with the function of "Advanced Dynamic Threshold Control", which automatically optimizes every single page of the batch individually to its visible quality as well as to its usability for further processing tasks like OCR/ICR. The result of this function will deliver a perfect page – for every page.

Fast data transfers

The fi-5220C's dual interface leaves you the choice of attaching the scanner via SCSI-2 or USB 2.0. Both connections provide abundant bandwidth for quickly transferring even high resolution data volumes to the application workstation.

Options

In a scenario where different batches of alike documents are to be scanned regularly, Fujitsu's driver extension **SoftlPC V.2.5** can contribute to increasing scanning efficiency even further. This package enables defining and selecting monochrome mode scanning profiles that are optimized for different types of documents (invoices, newspapers, forms,) as well as virtually switching between different profiles before applying it to all pages of the document batch. Also, SoftlPC supports multi-streaming for creating monochrome and colour images simultaneously.

The fi-5220C can be operated as a network device when attaching it to Fujitsu's **fi-5000N network adapter**. This unique device is the only network adapter that allows multiple users to access a shared scanner from within their regular archiving application, just as if it were directly attached to their workstation. (Currently, as of October 2005, supported in fi-4120C2 emulation mode only. Generic fi-5220C support scheduled for Q01/2006.)

fi-5220C Technical Specifications

| Parameter | | Specification |
|---|-------------------------------|--|
| Product name | | fi-5220C |
| Scanner type | | ADF (Automatic Document Feeder) + flatbed |
| Scanning modes | | Simplex / Duplex, color / grayscale / monochrome |
| Image sensor type | | Color CCD (Charge-coupled device) x 3 |
| Light source | | White cold cathode discharge lamp |
| Scanning range | ADF | Maximum: A4 (210mm x 297mm), legal (8.5in x 14in) Minimum (portrait): A8 (52mm x 74mm or 2in x 3in) |
| | Flatbed | Maximum: A4 (210mm x 297mm), letter (8.5in x 11in) |
| Paper weight (Thickness) *1 | | 52 g/m ² to 127 g/m ² (14 to 34lb) and 127 g/m ² (34 lb) for A 8 sheets |
| Scanning speed *2 (A4 portrait) | ADF | Color *3 |
| | | Grayscale *3 |
| | | Monochrome |
| | Flatbed | Color *3 |
| | Grayscale *3 | |
| | Monochrome | |
| Paper chute capacity | | 50 sheets (A4: 80 g/m ² or 20lb) (active loadability) |
| Background colors | | ADF: White or Black (switchable) / Flatbed: white |
| Optical resolution | | 600dpi |
| Output Resolution *4 | | 50 - 600dpi (adjust by 1dpi steps) / Color (24 bit), Gray (8 bit), mono (1 bit) |
| Output format | | Color: 24 bit / 8 bit, grayscale: 8 bit, monochrome: 1 bit |
| AD converter | | 1024 levels (10 bit) |
| Interface *5 | | Ultra SCSI (Terminator built-in) or USB2.0/USB1.1 (Selectable) |
| Connector shape | | SCSI: Shield type 50 pin (pin type), USB:B type |
| Output mode (half-tone) | | Dither / error diffusion |
| Voltage or voltage range / Power | | AC 100 to 240 V, ±10% / Operating: ≤ 33W, Sleep mode: ≤ 6W |
| Operational environment | | Temperature: 5 to 35 Degree C (42 to 95 Degree F) Relative humidity: 20 to 80% (Non-condensing) |
| Dimensions: (WxDxH) *6 / Weight | | 302mm x 569mm x 229mm (11.9in x 22.4in x 9.0in) / 3.8 kg (8.4 lb) |
| Included drivers *7 | | TWAIN, ISIS™ |
| Environmental compliance | | ENERGY STAR®, and RoHS |
| Others | Multi-feed detection | Yes (Standard) Ultrasonic Method Multi Feed Defection Sensor |
| | Long paper scanning *8 | 864mm (34 in) |
| | Paper counter | Yes |

fi-5220C Options

| Description | Parts number | Comments |
|--------------------------------|----------------|--|
| Image processing software V2.5 | PA43402-C22901 | This image processing software enables the scanner to efficiently binarize scanned data prior to transmission. |
| fi-5000N network adapter | PA03368-B001 | Attach fi-5220C via USB port to fi-5000N to enable secure fingerprint authorized network scanning in a "push-to-network" as well as in a client PC initiated "pull-from-network" scenario. Currently (as of October 2005) supported in fi-4120C2 emulation mode only. Generic fi-5220C support scheduled for Q01/2006. |

fi-5220C Consumables

| Description | Parts number | Comments |
|-------------|--------------|---|
| Pad ASSY | PA03289-0111 | Lifetime: 50,000 sheets or one year These rubber parts separate documents being fed into the scanner to prevent multi-feeds. |
| Pick Roller | PA03289-0001 | Lifetime: 100,000 sheets or one year These rollers feed documents in the scanner. |

Contact Information

Fujitsu Europe Limited
Hayes Park Central
Hayes End Road
Hayes Middlesex UB4 8FE, England
Tel: (+44-(0)20) 8573 4444
Tel: (+44-(0)20) 8573 2643
www.fel.fujitsu.com

Fujitsu Italia S.p.A.
Via Nazario Sauro, 38
20099 Sesto San Giovanni (MI), Italia
Tel: (+39) 0226294.1
Fax: (+39) 0226294.201
www.fis.fujitsu.com

Fujitsu Deutschland GmbH
Frankfurter Ring 211
80807 München, Deutschland
Tel: (+49-(0)89) 32378-0
Fax: (+49-(0)89) 32378-100
www.fdg.fujitsu.com

