

**COLOUR
DUPLEX
DOCUMENT
SCANNER**

fi-5120C Image Scanner

A4 Scanner



- A4
- ADF
- Straight Path
- Duplex
- Colour
- Ultra Sonic Sensor
- Ultra SCSI
- USB 2.0/1.1
- Mono. 50 Letter ipm
- Colour 50 Letter ipm
- 600 dpi

- Win 95 (SCSI Only)
- Win 98
- Win98SE
- Win Me
- WinNT4.0 (SCSI Only)
- Win 2000 Professional
- Win XP

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for Microsoft® Windows®
Operating Systems

QUALITY SCANNER

TECHNICAL SPECIFICATIONS

An ADF Duplex Image Scanner that is Compact Enough to Place on Your Desk

Not only can the fi-5120C scan colour double-sided documents at an incredible 50 ipm in both colour and black & white, it is the first scanner of its class to come loaded with an ultrasonic multi-feed sensor that detects whenever two or more documents are simultaneously fed into the scanner.

- **Able to scan colour double-sided documents at an incredible 50 ipm.**

The fi-5120C scans both colour and black & white Letter documents at a speedy 25 ppm / 50 ipm (200 dpi). The fi-5120C is able to digitize batches containing up to 50 pages.

- **The first scanner in its class to be armed with an ultrasonic multi-feed sensor and to be capable of scanning mixed batches.**

The fi-5120C is the first scanner of its class to come loaded with an ultrasonic multi-feed sensor that detects whenever two or more sheets of paper have been simultaneously feed into the scanner, regardless of document weight, size, or colour.

- **Embossed card scannability.**

A modified paper path enables this scanner's automatic document feeder (ADF) to digitize member's cards as well as other embossed documents. This frees fi-5120C users from having to scan embossed card data separately and easing users' workloads. (The fi-5120C supports ISO7810 embossed card scannability.)

- **Imprinter option.**

Use of the fi-5120C's optional imprinter (fi-512PR) enables users to print dates and other information on either the front or back of original documents; easing the search for original documents at a later date.



fi-5120C with imprinter option

Product name		fi-5120C
Scanner type		ADF (Automatic Document Feeder)
Scanning modes		Simplex / Duplex, Colour / Greyscale / Monochrome
Image sensor type		2x Colour CCD (Charged-coupled device)
Light source		White cold cathode discharge lamp
Scanning range	Maximum	8.5" x 34"
	Minimum	2" x 3", portrait
Paper weight (Thickness)	14 to 34 lb.	
	(34 lb. only for 2" x 3" sheets)	
	ISO 7810 embossed plastic cards	
Scanning speed¹ (Letter portrait)	Colour²	150 dpi: 30 ppm (Simplex); 60 ipm (Duplex)
	Greyscale²	200 dpi: 25 ppm (Simplex); 50 ipm (Duplex)
	Monochrome	
Paper chute capacity		50 sheets (Letter, 20 lb.); Active loadability
Background colour		White or Black; Auto-switching
Optical resolution		600 dpi
Output resolution³	Colour (24-bit)	50 to 600 dpi; Can be adjusted by 1 dpi increments
	Greyscale (8-bit)	
	Monochrome (1-bit)	
Output format		Colour (4, 8, or 24-bit) / Greyscale (8-bit) / Monochrome (1-bit)
AD converter		1,024 levels (10-bit)
Interface⁴		Ultra SCSI and USB 2.0 / USB 1.1
Connector shape	SCSI	Shielded type, 50-pin
	USB	B type
Output mode (half-tone)		Dither, Error diffusion
Voltage or voltage range		AC 100 to 240 V, +10% / -10%
Power		Operating: 33W or less (Sleep mode: less than 6W)
Operational environment	Temperature	5°C to 35°C (42°F to 95°F)
	Relative humidity	20% to 80% (non-condensing)
Dimensions (W x D x H)⁵		301 mm x 168 mm x 158 mm (11.9" x 6.6" x 6.2")
Weight		3.8 kg (8.4 lb)
SCSI Terminator		Built-in
Included drivers⁶		TWAIN and ISIS™
Environmental compatibility		ENERGYSTAR® and RoHS
Others	Multi-feed detection	Standard; Ultrasonic method multi feed detection sensor
	Auto crop / Auto deskew	Yes; with TWAIN driver
	Dropout colour	Red, Green, Blue, or none

• Options

Description	Part number	Comments
Image processing software V2.5	PA43402-C22901	This image processing software enables the scanner to efficiently binarize scanned data prior to transmission.
Imprinter (fi-512PR)	PA03484-D201	Assists document management by printing numbers, Roman characters and codes on original documents after they have been scanned.

• Consumables

Description	Part number	Comments
Pad ASSY	PA03289-0111	<i>Lifetime:</i> Up to 50,000 sheets or one year. These rubber parts separate documents being fed into the scanner to prevent multi-feeds.
Pick Roller	PA03289-0001	<i>Lifetime:</i> Up to 100,000 sheets or one year. These rollers feed documents into the scanner.
Print Cartridge	CA00050-0262	<i>Lifetime:</i> Up to 4,000,000 printed characters. FI-512PR print head.

1) Actual scanning speeds are affected by data transmission and software processing time. 2) JPEG compressed figures. 3) Actual maximum scanning range may vary from the designated maximum. 4) Ultra SCSI interface cannot be used simultaneously with USB2.0. 5) Excluding the ADF paper chute and stacker. 6) ISIS™ does not support Windows 95.

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