The next generation in scanning excellence
fi-8170 Document Scanner

Made for demanding workflows, the compact fi-8170 scanner gives small and large organizations unparalleled productivity. Patented feeding technologies, industry leading reliability, and proprietary Clear Image Capture (CIC) technology deliver the highest quality digital images to meet the needs of organizations on their digital transformation journey.

Image Quality

Clear Image Capture (CIC) technology resets the benchmark for high quality image capture, by combining the reliability and flexibility of Contact Imaging Sensor (CIS) hardware, with an industry-leading, image processor. CIC technology delivers precise, crisp images, and industry-leading OCR accuracy rates while also removing unwanted watermarks and artifacts.

Paper Feeding

Evolved paper handling with a large 100-page hopper, an all-wheel drive mechanism, and fast 140 images captured per minute, make the fi-8170 one of the easiest and most efficient scanners to operate. The patented Automatic Separation Control uses state of the art technology to sense paper weights and adjusts to consistently separate documents and provide the perfect feed, ensuring documents are safely captured.

Reliability

The fi-8170 is built to last and powers up every time you need it regardless of job size. Strong urethane rollers, heavy duty motors, a sturdy frame, and durable consumables combine for a long-lasting scanner that will let your organization capture the volumes of paper from seasonal peaks and heavy backlogs, worry free. Backed by US-based, legendary solutions architects and support teams.

PaperStream IP

Compatible with all major document management software packages, PaperStream IP (PSIP) is a TWAIN/ISIS® compliant driver that cleans up and optimizes scanned images without any configuration.

PaperStream Capture

Take advantage of powerful indexing and sorting features, putting the document in the right location for great organization and fast retrieval. Now includes both 2D and 1D barcode support in the box.

PaperStream ClickScan

Easy to use capture software for any business. Simple scanning interface with 3-steps: scan, select destination, and save.

Flexible connectivity options

Choose between PaperStream IP Net for flexible, adaptable capture architectures, and PaperStream NX Manager for centralized, server-based capture.

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Ricoh fi-8170 Document Scanner

70 Pages per minute	**Duplex** Scans both sides	**TWAIN&ISIS®** Supported	**Sizes up to** Letter/Legal 12" x 17" max.	**Scans Plastic Cards** Flat and embossed	**Accepts** Sticky Notes Taped Receipts Labels	**600** Optical DPI	**24-bit Color** Scanning supported

Technical Information

Scanner Type	ADF (Automatic Document Feeder) / Manual Feed, Duplex	**Power Consumption**	
Scanning Speed[1] **(A4 Portrait) (Color / Grayscale**[2] **/ Monochrome**[3]**)**	Simplex: 70 ppm (200/300 dpi) Duplex: 140 ipm (200/300 dpi)	Operating Mode Sleep Mode Auto Standby (Off) Mode	28 W or less / 17 W (Eco mode) 2.0 W or less (LAN) / 1.4 W or less (USB) 0.2 W or less
Image Sensor Type	CIS x 2 (front x 1, back x 1)	**Operating Environment** Temperature Relative Humidity	41 to 95 °F (5 to 35 °C) 15 to 80% (non-condensing)
Light Source	RGB LED x 2 (front x 1, back x 1)	**Environmental Compliance**	ENERGY STAR®, RoHS
Optical Resolution	600 dpi	**Dimensions**[15] **(Width x Depth x Height)**	11.8 x 6.7 x 6.4 in. (300 x 170 x 163 mm)
Output Resolution[4] **(Color / Grayscale / Monochrome)**	50 to 600 dpi (adjustable by 1 dpi increments) 1,200 dpi (driver)[5]	**Weight**	8.8 lb (4 kg)
Output Format	Color: 24-bit, Grayscale: 8-bit, Monochrome: 1-bit	**Supported Operating System**	Windows® 11[19], Windows® 10, Windows® Server 2025, Windows® Server 2022, Windows® Server 2019, Windows® Server 2016, macOS, Linux (Ubuntu), ChromeOS
Background Colors	White/Black (selectable)		
Document Size Maximum[6] Minimum Long Page Scanning[7]	8.5 x 14 in. (215.9 x 355.6 mm) 1.9 x 2 in. (48 x 50 mm) 240 in. (6,096 mm)	**Included Software / Drivers**	PaperStream IP Driver (TWAIN/TWAIN x64/ISIS), WIA Driver[16], Image Scanner Driver for macOS (ICA)[16][17] Image Scanner Driver for Linux (SANE)[16][17] PaperStream Capture, PaperStream ClickScan[17], Software Operation Panel, Error Recovery Guide, ABBYY FineReader for ScanSnap™[17], PaperStream Central Admin
Paper Weight (Thickness) Paper Booklet Plastic Card	5.3 to 124 lb (20 to 465 g/m²)[8] 0.276 in. (Less than 7 mm)[9] 0.055 in. (1.4 mm) or less[10]		
ADF Capacity[11] [12]	100 sheets (Letter 20 lb or A4 80 g/m²)	**Image Processing Functions**	Multi image output, Automatic color detection, Blank page detection, Static threshold, Dynamic threshold (iDTC), Advanced DTC, SDTC, Error diffusion, Dither, De-Screen, Emphasis, Dropout color (None/Red/Green/Blue/White/ Saturation/Custom), sRGB output, Hole punch removal, Cropping, Index tab cropping, Split image, De-Skew, Edge correction, Vertical streaks reduction, Character extraction, Background pattern removal, Automatic profile selection
Expected Daily Volume[13]	10,000 sheets		
Multifeed Detection	Overlap detection (Ultrasonic sensor) Length detection		
Paper Protection	Image monitoring, Sound detection (iSOP)[14]	**Included Items**	ADF paper chute, AC cable, AC adapter, USB cable, Setup DVD-ROM
Interface USB Ethernet	3.2 Gen 1x1 / USB 2.0 / USB 1.1 10BASE-T, 100BASE-TX, 1000BASE-T	**Trade Compliant**[18]	PN: PA03810-B075
		Standard Model	PN: PA03810-B055
Power Requirements	AC 100 to 240 V 50/60Hz	**Certifications**	Tungsten® VRS Elite, Works With Chromebook
		Warranty	1 Year Advance Exchange

Service Programs & Options

Advance Exchange	S8170-AEPWNBD-1 S8170-AEMYNBD-3 S8170-AEMYNBD-5	One, three or five year programs offer whole-unit, next business day replacement for scanner equipment*	**Industry-leading support keeps digital transformation projects on-time and on budget**
Depot Mail-in Repair	S8170-DEPW5DY-3	3-year scanner contract provides mail-in unit repair that includes spare parts, labor, and one-way shipping to customer	• U.S. based support
PaperStream Capture Pro	PSC-PRO-1Y PSC-PRO-3Y PSC-PRO-5Y	PaperStream Capture Pro 1-Year Subscription PaperStream Capture Pro 3-Year Subscription PaperStream Capture Pro 5-Year Subscription	• Specialized Teams • Flexible service programs
Deluxe Bundle	CG01000-303001	Deluxe Bundle Scanner bundled with PaperStream Capture Pro	
Premium Bundle	CG01000-303101	Scanner bundled with 3 years additional Advance Exchange service	

Consumables and Options

Imprinter (Post)	PA03810-D201	Prints a string of characters on document after a scan
Print Cartridge for fi-8170	CA00050-0262	Lifetime: approx. 4,000,000 printed characters
Brake Roller	PA03810-0001	Lifetime: approx. 200,000 sheets [20]
Pick Roller	PA03670-0002	Lifetime: approx. 200,000 sheets [20]
ScanAid Kit	CG01000-302801	Consumable kit with instructions and cleaning supplies
Carrier Sheets	PA03360-0013	Pack of 5 Sheets
Photo Carrier Sheets	PA03770-0015	Pack of 3 Sheets
Booklet Carrier Sheet	PA03810-0012	Pack of Single Sheet

[1] Actual scanning speeds may vary with data transmission and software processing times. [2] Indicated speeds are from using JPEG compression. [3] Indicated speeds are from using TIFF CCITT Group 4 compression. [4] Selectable maximum resolution may vary depending on the length of the scanned document. [5] Limitations may apply to the size of documents that can be scanned, depending on system environment, when scanning at high res olution (over 600 dpi). [6] Maximum document width possible for scanning is9.5 in. (240 mm). [7] For use with PaperStream NX Manager, the maximum resolution supported is 400 dpi, with maximum lengths ranging with resolution. Simplex: 72 in. (1,828.8 mm) [below 300 dpi], 14 in. (355.6 mm) [below 400 dpi]. Duplex: 34 in. (863.6 mm) [below 300 dpi], 14 in. (355.6 mm) [below 400 dpi]. [8] Thicknesses of up to 34 to 56 lb (128 to 209 g/m²) can be scanned for A8 (2.1 x 2.9 in. / 52 x 74 mm) sizes. [9] Indicated thickness is inclusive of Booklet Carrier Sheet thickness when using the Carrier Sheets. [10] Continuous feeding is supported when scanning up to 10 unembossed cards with thicknesses of 0.76 mm or less. [11] Maximum capacity depends on paper weight and may vary. [12] Capable of setting additional documents while scanning. [13] Numbers are calculated using scanning speeds and typical hours of scanner use, and are not meant to guarantee daily volume or unit durability. [14] Intelligent Sonic Paper Protection. [15] Excludes the ADF paper chute and stacker. [16] Functions equivalent to those offered by PaperStream IP may not be available with the Image Scanner Driver for macOS/Linux or WIA Driver. [17] Refer to the fi Series Support Site for driver/software downloads and full lineup of all supported operating system versions. www.pfu-us.ricoh.com . [18] EPEAT is Gold. [19] fi Series scanners do not run with Windows® 11 and 10 ARM-based PCs. [20] Replacement cycles are guidelines for using A4 documents (80 g/m2 [20 lb]). These cycles vary depending on the type of documents scanned, how often the scanner is used and cleaned, and your operating environment.

*Replacement units shipped overnight for all requests received by 2 P.M. PST, Monday-Friday

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Safety Precautions
Please carefully read the safety precautions prior to the use of this device and follow the recommended instructions for correct use. Do not place this device in wet, moist, highly humid, dusty or oily areas. Use of this device under such conditions may result in electrical shock, fire or damage to the device. Please use this device within the power ratings listed.

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