Image Scanner

RICOH fi-8700
Datasheet

☑ Scanner



Capture mixed, fragile, and exception documents at production speeds, with reliable feeding, intelligent processing, and network-ready flexibility

Product Overview

The RICOH fi-8700 captures diverse documents at production speeds. Its fast ADF handles large batches, while the A3 flatbed securely scans books and fragile originals.

Reliable Scanning of Diverse Documents

The straight paper path handles thick documents and envelopes, while the flatbed is ideal for books, irregularly sized documents, and fragile originals. The ADF supports paper weights from 20 to 413 g/m^2, accommodating documents ranging from thin paper to plastic cards, as well as long documents. The Paper Protection function detects abnormal sounds and paper feed irregularities to help prevent document damage, allowing users to scan important documents with confidence.

Flexible Installation and Operation

In addition to USB connectivity, wired LAN connectivity enables more flexible scanner placement. The ADF rotates 180 degrees and can be positioned to the left or right, allowing documents to be loaded comfortably from either side. The color LCD makes the scanner's status easier to see at a glance, helping users respond quickly and appropriately.

Fast, Uninterrupted Scanning

The ADF scans at 100 ppm, while the paper chute holds up to 300 sheets for efficient batch scanning. Two flatbed functions further improve efficiency. Multi-Crop captures multiple documents at once and saves them as separate files. Timer Scan automatically scans at preset intervals, allowing users to turn pages without pressing the scan button each time.

Bundled Software for Efficient Workflows

PaperStream Capture and PaperStream ClickScan are included as standard. PaperStream Capture streamlines document-processing tasks such as file sorting, data organization, and barcode recognition. PaperStream ClickScan allows users to select the save location and filename for each scan through a simple three-step process.

Technical Information

Scanner Type		ADF (Automatic Document Feeder)/Manual Feed/ Flatbed, Duplex
Scanning Speed[*1] (A4 Landscape) (Color[*2]/Grayscale[*2]/Monochrome[*3])		
ADF		Simplex: 100 ppm (200/300 dpi) Duplex : 200 ipm (200/300 dpi)
Flatbed		0.6 seconds (200/300 dpi)
Scanning Speed[*1] (A4 Portrait) (Color[*2]/Grayscale[*2]/Monochrome[*3])		
ADF		Simplex: 80 ppm (200/300 dpi) Duplex : 160 ipm (200/300 dpi)
Flatbed		0.9 seconds (200/300 dpi)
Image Sensor Type		Color CCD x 3 (front x 1, back x 1, Flatbed x 1)
Light Source		White LED Array x 6 (front x 2, back x 2, Flatbed x 2)
Optical Resolution		600 dpi
Output Resolution[*4] (Color/Grayscale/ Monochrome)		50 to 600 dpi (adjustable by 1 dpi increments), 1,200 dpi (driver)[*5]
Output Format		Color: 24-bit, Grayscale: 8-bit, Monochrome: 1-bit
Background Colors		ADF: White / Black (selectable) Flatbed: White (or optional black)
Document Size		
ADF	Maximum	304.8 x 431.8 mm (12 x 17 in.)
	Minimum	50.8 x 69 mm (2 x 2.7 in.) (Portrait)
	Long Page Scanning[*6]	5,588 mm (220 in.)
Flatbed	Maximum	304.8 x 457.2 mm (12 x 18 in.)
Paper Weight (Thickness)[*7]		
Paper		20 to 413 g/m^2 (5.3 to 110 lb) Less than A8 size: 128 to 209 g/m2 (34 to 56 lb)
Plastic Card		Up to 1.4 mm[*8]
ADF Capacity[*9]		300 sheets (A4 80 g/m2 or Letter 20 lb)
Expected Daily Volume[*10]		44,000 sheets
Multifeed Detection		Overlap detection (Ultrasonic sensor), Length detection
Paper Protection		Lag detection, Sound detection (iSOP)[*11]
Interface		
USB		USB3.2 Gen1x1/USB3.0/USB2.0/USB1.1 (Connector Type: Type-B)
Ethernet		10BASE-T, 100BASE-TX, 1000BASE-T
Power Requirements		AC 100 to 240 V ±10%
Power Consumption		
Operating Mode		55 W or less
Sleep Mode		USB: 1.7 W or less/Ethernet: 2.6 W or less
Auto Standby (Off) Mode		0.3 W or less

Operating Environment	
Temperature	5 to 35 °C (41 to 95 °F)
Relative Humidity	15 to 80% (non-condensing)
Environmental Compliance	ENERGY STAR, RoHS, EPEAT
Dimensions[*12] (Width x Depth x Height)	706 x 500 x 345 mm (27.8 x 19.7 x 13.6 in.)
Weight	35 kg (77 lb)
Supported Operating System	Windows 11[*13], Windows 10[*13], Windows Server 2025, Windows Server 2022, Windows Server 2019, Windows Server 2016
Software/Drivers[*15]	PaperStream IP driver (TWAIN/TWAIN x64/ISIS), WIA Driver[*14], PaperStream Capture, PaperStream ClickScan, Software Operation Panel, Network Set-up Tool, Error Recovery Guide, PaperStream Central Admin
Image Processing Functions	Multi image output, Automatic color detection, Blank page detection, 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, Index tab cropping, Split image, De-Skew, Edge correction, Vertical streaks reduction, Cropping, Static threshold, Divide long page, Timer Scan, Multi-Crop
Included Items	Stacker, ADF paper chute, AC cable, AC adapter, USB cable

Options

Black Document Pad (FI-575BK)	PA03338-D960	Black flatbed background pad
PaperStream Capture Pro Premium	PA43404-B421	One year license of PaperStream Capture Pro Premium

Consumables

Brake Roller	PA03740-K010	Every 250,000 sheets[*16]
Pick Roller	PA03740-K011	Every 250,000 sheets[*16]

*1 Scanning speeds may vary due to the system environment. For details, please visit our website at: https://www.pfu.ricoh.com/global/scanners/fi/. *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 resolution (over 600 dpi). *6 Capable of scanning documents that exceed Legal sheets in length. Long page scanning supports documents with lengths of up to 5,588 mm (220 in.) when the resolution is set to 200 dpi or less. Documents of up to 200m (218.8 yd.) can be scanned if scans of long page documents are split into multiple pages. *7 Paper weight limitations only apply when using the ADF. There are no limitations when using the flatbed. *8 Capable of scanning up to 3 cards at a time when using the ADF. (Note: only one embossed card can be scanned at a time). *9 Maximum capacity depends on paper weight and may vary. *10 Numbers are calculated using scanning speeds and typical hours of scanner use, and are not meant to guarantee daily volume or unit durability. *11 Intelligent Sonic Paper Protection. *12 Excludes the ADF hopper and stacker. *13 Not supported on ARM-based Windows PCs. *14 Functions equivalent to those offered by PaperStream IP may not be available with the WIA Driver. *15 Refer to the fi Series Support Site for driver/software downloads and full lineup of all supported operating system versions. *16 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.

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Safety Precautions
Be sure to carefully read all safety precautions prior to using this product and use this device as instructed. Do not place this device in wet, moist, steamy, dusty or oily areas. Using this product under such conditions may result in electrical shock, fire or damage to this product. Be sure to limit the use of this product to listed power ratings.

ENERGY STAR®
PFU Limited has determined that this product meets the ENERGY STAR® guidelines for energy efficiency. ENERGY STAR® is a registered trademark of the United States.

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