

Accelerate your digital transformation journey **fi-8190**

Take on the toughest front-office jobs with this elite scanner. The fi-8190 employs innovative feeding and Clear Image Capture (CIC) technology to deliver industry-leading reliability.



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 180 images captured per minute, make the fi-8190 one of the easiest and most efficient scanners to operate. The patented Automatic Separation Control uses state of the art technology to sense paper weight and adjusts to consistently separate documents and provide the perfect feed, ensuring documents are safely captured.

Reliability

The fi-8190 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 Ricoh's 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

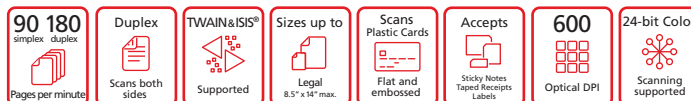
Easy-to-use capture software for any business. Simple scanning interface with 3-steps: scan, select destination, and save.

Flexible connectivity options

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

The next generation in scanning excellence

fi-8190 Image Scanner



Technical Information

Scanner Type	ADF (Automatic Document Feeder) / Manual Feed, Duplex	Power Consumption	
Scanning Speed ^{*1} (A4 Portrait) (Color ^{*2} / Grayscale ^{*2} / Monochrome ^{*3})	Simplex: 90 ppm (200/300 dpi) Duplex: 180 ipm (200/300 dpi)	Operating Mode	30 W or less / 17 W (Eco mode)
Image Sensor Type	CIS x 2 (front x 1, back x 1)	Sleep Mode	2.0 W or less (LAN) / 1.4 W or less (USB)
Light Source	RGB LED x 2 (front x 1, back x 1)	Auto Standby (Off) Mode	0.2 W or less
Optical Resolution	600 dpi	Operating Environment	
Output Resolution ^{*4} (Color / Grayscale/ Monochrome)	50 to 600 dpi (adjustable by 1 dpi increments) 1,200 dpi (driver) ^{*5}	Temperature	41 to 95 °F (5 to 35 °C)
Output Format	Color: 24-bit, Grayscale: 8-bit, Monochrome: 1-bit	Relative Humidity	15 to 80% (non-condensing)
Background Colors	White/Black (selectable)	Environmental Compliance	ENERGY STAR®, RoHS
Document Size		Dimensions ^{*15} (Width x Depth x Height)	11.8 x 6.7 x 6.4 in. (300 x 170 x 163 mm)
Maximum ^{*6}	8.5 x 14 in. (215.9 x 355.6 mm)	Weight	8.8 lb (4 kg)
Minimum	1.9 x 2 in. (48x50 mm)	Supported Operating System	Windows® 11, Windows® 10 ^{*18} , Windows® Server 2025, Windows® Server 2022, Windows® Server 2019, Windows® Server 2016, macOS, Linux (Ubuntu)
Long Page Scanning ^{*7}	240 in. (6,096 mm)	Included Software / Drivers	PaperStream IP Driver (TWAIN/TWAIN x64/ISIS), WIA Driver ^{*16} , Image Scanner Driver for macOS (ICA), Image Scanner Driver for Linux (SANE) ^{*16} ^{*17} , PaperStream Capture, PaperStream ClickScan ^{*17} , PaperStream NX Manager, Software Operation Panel, Error Recovery Guide, ABBYY FineReader for ScanSnap ^{*17} , PaperStream Central Admin
Paper Weight (Thickness)		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 filler, Vertical streaks reduction, Background pattern removal, Cropping, Static threshold
Paper	5.3 to 124 lb (20 to 465 g/m ²) ^{*8}	Included Items	ADF paper chute, AC cable, AC adapter, USB cable, Setup DVD-ROM
Booklet	0.276 in. (Less than 7 mm) ^{*9}	Trade Compliant	Yes
Plastic Card	0.055 in. (1.4 mm) or less ^{*10}	Standard Model	PN: PA03810-B005
ADF Capacity ^{*11} ^{*12}	100 sheets (Letter 20 lb or A4 80 g/m ²)	Certifications	Tungsten® VRS Elite
Expected Daily Volume ^{*13}	13,000 sheets		
Multifeed Detection	Overlap detection (Ultrasonic sensor) Length detection		
Paper Protection	Image monitoring, Sound detection (iSOP) ^{*14}		
Interface			
USB	3.2 Gen 1x1 / USB 2.0 / USB 1.1		
Ethernet	10BASE-T, 100BASE-TX, 1000BASE-T		
Power Requirements	AC 100V to 240V 50/60Hz		

Service Programs & Options

1 Year Advance Exchange	S8190-AEPWNBD-1	One, three or five year programs offer whole-unit, next business day replacement for scanner equipment [*]	Ricoh industry-leading support keeps digital transformation projects on-time and on budget
3 Year Advance Exchange	S8190-AEMYNBD-3		• U.S. based support
5 Year Advance Exchange	S8190-AEMYNBD-5		• Specialized Teams
Depot Mail-in Repair	S8190-DEPW5DY-3	3-year scanner contract provides mail-in unit repair that includes spare parts, labor, and one-way shipping to customer	• Flexible service programs
1 Year Basic Onsite	S8190-BAPWNBD-1	One year onsite with a preventative maintenance visit	
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	

Consumables & Options

Imprinter	PA03810-D201	Prints a string of characters on document after a scan
Imprinter Ink Cartridge	CA00050-0262	Lifetime: approx. 4,000,000 printed characters
Brake Roller	PA03810-0001	Lifetime: approx. 200,000 sheets ^{*19}
Pick Roller	PA03670-0002	Lifetime: approx. 200,000 sheets ^{*19}
ScanAid Kit	CG01000-302801	Consumable kit with instructions and cleaning supplies
Booklet Carrier (1 Piece)	PA03810-0020	Supplemental protection for items such as passports
Carrier Sheets (5 Pieces)	PA03360-0013	Supplemental protection for delicate items



^{*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 resolution (over 600 dpi). ^{*6} Maximum document width possible for scanning is 240 mm (9.5 inch). ^{*7} For use with PaperStream NX Manager, the maximum resolution supported is 400 dpi, with maximum lengths ranging with resolution. Simplex: 1,828.8 mm (72 in.) [below 300 dpi], 355.6 mm (14 in.) [below 400 dpi]. Duplex: 863.6 mm (34 in.) [below 300 dpi], 355.6 mm (14 in.) [below 400 dpi]. ^{*8} Thicknesses of up to 128 to 209 g/m² (34 to 56 lb) can be scanned for A8 (52 x 74 mm / 2.1 x 2.9 inch) 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. ^{*18} fi Series scanners do not run with Windows® 11 and 10 ARM-based PCs. ^{*19} 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.

ENERGY STAR®
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Specifications are subject to change without notice.



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