Image Scanner

# RICOH SP-1120N

## Datasheet

Scanner



## Simple and network compatible scanner for business

SP-1120N scans documents at 20 ppm/40 ipm (A4 portrait 200/300 dpi) and loads up to 50 sheets at a time. With a compact and network compatible design, the unit provides high-value performance as an entry-level model for all businesses.

### Assistance for safe and reliable scanning

SP-1120N comes with brake rollers to deliver accurate page separation and prevent any multi-feeding errors from occurring. This mechanism and our ultrasonic multi-feed sensors combined, provide users with stable paper feeding, prevent any potential information loss from occurring, and enable scanning of all documents and cards at the office with maximized precision and efficiency. Application forms and ID cards at the reception desk, for instance, can be scanned in just one batch, allowing for quick processing and little customer wait time.

### Flexible and easy operation to improve daily workflow

High-speed USB 3.2 Gen 1x1 and wired network connection expands the versatility of user operation so that users are no longer confined to operating near the computer. Operation is now possible in a wider variety of locations, with reliable network environment support. SP-1120N is also compact in size, making it the perfect scanner to use on a desk or reception space where space is limited. As an entry-level model, operation is simple with just 2 buttons to choose from: “Scan/Stop” and “Power ON/OFF”. This simple and easy-to-use design minimizes scanning procedures and human errors in any organization. All these features combined, enable anyone to operate the scanner anywhere.

### Software for ultimate business efficiency

PaperStream IP for SP Series, the scanner driver supporting both TWAIN and ISIS, enables hassle-free scanning so that operators do not need to make fine OCR setting adjustments. The software automatically converts scanned images into exceptionally clean images, raising OCR accuracy, even when scanning wrinkled and soiled documents, or documents with background patterns. With PaperStream Capture, capture batches of all sizes with utmost efficiency.

# RICOH SP-1120N

## Technical Information

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|---|---|
| Scanner Type | ADF (Automatic Document Feeder), Duplex |
| Scanning Speed[*1] (A4 Portrait) (Color[*2]/Grayscale[*2]/ Monochrome[*3]) | Simplex: 20 ppm (200/300 dpi)<br>Duplex : 40 ipm (200/300 dpi) |
| Image Sensor Type | Single line CMOS-CIS x 2 (front x 1, back x 1) |
| Light Source | RGB LED x 2 (front x 1, back x 1) |
| 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 | White |
| Document Size | |
| Maximum | 216 x 355.6 mm (8.5 x 14 in.) |
| Minimum | 52 x 74 mm (2.0 x 2.9 in.) |
| Long Page Scanning[*6] (Maximum) | 3,048 mm (120 in.) |
| Paper Weight (Thickness) | |
| Paper | 50 to 209 g/m$^2$ (13.4 to 56 lb)[*7] |
| Plastic Card | 0.76 mm (0.0299 in.) or less[*8] |
| ADF Capacity[*9][*10] | 50 sheets (A4 80 g/m$^2$ or Letter 20 lb) |
| Expected Daily Volume[*11] | 3,000 sheets |
| Multifeed Detection | Overlap detection (Ultrasonic sensor) |
| Interface | |
| USB[*12][*13] | USB 3.2 Gen 1x1 / USB 2.0 / USB 1.1 |
| Ethernet | 10BASE-T,100BASE-TX,1000BASE-T |
| Power Requirements | AC 100 to 240 V ±10 % |
| Power Consumption | |
| Operating Mode | 18 W or less |
| Power Saving Mode | 2 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 | 20 to 80% (non-condensing) |

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| Environmental Compliance | ENERGY STAR®, RoHS |
| Dimensions[*14] (Width x Depth x Height) | 298 x 135 x 133 mm (11.7 x 5.3 x 5.2 in.) |
| Weight | 2.5 kg (5.5 lb) |
| Supported Operating System | Windows 11[*15], Windows 10[*15], Windows Server 2025, Windows Server 2022, Windows Server 2019, Windows Server 2016, macOS[*16], Linux (Ubuntu)[*16] |
| Software / Drivers[*18] | PaperStream IP for SP Series (TWAIN/TWAIN x64/ISIS), WIA Driver[*17], Image Scanner Driver for macOS (ICA)[*17], Image Scanner Driver for Linux (SANE)[*17], PaperStream Capture, PaperStream ClickScan, Software Operation Panel, Error Recovery Guide, PaperStream Central Admin, Network Setup Tool for SP Series, SP Series Online Update |
| Image Processing Functions | Multi image output, Automatic color detection, Automatic page size 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, Split image, De-Skew, Edge filler, Vertical streaks reduction, Digital endorser, Background pattern removal, Character thickness, Character augmentation, Character extraction |
| Included Items | AC adapter, USB cable, Setup DVD-ROM |

## Options

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|---|---|---|
| PaperStream Capture Pro | PA43404-B403 | One year license of PaperStream Capture Pro |
| PaperStream Capture Pro Premium | PA43404-B421 | One year license of PaperStream Capture Pro Premium |

## Consumables

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|---|---|---|---|
| Roller Set | PA03708-0001 | Brake Roller<br>Pick Roller | Every 100,000 sheets[*19] |

*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 with dimensions exceeding that of Legal sizes. Resolutions are limited to 300 dpi or less when scanning documents > 355.6 mm (14 in.) to ≤ 863 mm (34 in.), 200 dpi or less when scanning documents > 863mm (34 in.) in length. *7 Thicknesses of up to 127 to 209 g/m$^2$ (34 to 56 lb) can be scanned for A8 (52 x 74 mm / 2.1 x 2.9 in.) sizes. *8 ISO7810 ID-1 type compliant. Capable of scanning embossed cards with total thicknesses of 1.24 mm (0.049 in.) or less. *9 Maximum capacity depends on paper weight and may vary. *10 Capable of setting additional documents while scanning. *11 Numbers are calculated using scanning speeds and typical hours of scanner use, and are not meant to guarantee daily volume or unit durability. *12 Scanning speeds slow down when using USB 1.1. *13 When using USB, device must be connected to the USB hub connected to the PC port. If using USB 3.2 Gen 1x1 (USB 3.0) / USB 2.0, USB port and hub compatibility is required. *14 Excludes the ADF paper chute and stacker. *15 fi Series scanners do not run with Windows 11 and 10 ARM-based PCs. *16 Supports only USB connections. *17 Functions equivalent to those offered by PaperStream IP may not be available with the Image Scanner Driver for macOS/Linux or WIA Driver. *18 Refer to the SP Series Support Site for driver/software downloads and full lineup of all supported operating system versions. *19 Replacement cycles are guidelines for using A4 documents (80 g/m$^2$ [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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