

THE
RICOH **IS420/IS430** SCANNER

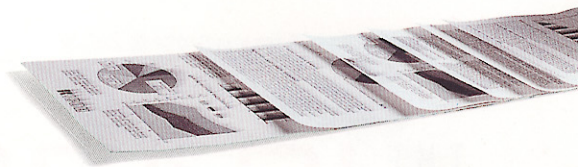


The
versatile
scanners
that fit easily
into any
office
environment



RICOH®

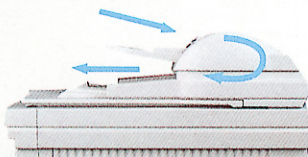
All the features you need for high-speed scanning in one compact package



With the introduction of the compact IS420/IS430 Image Scanners, RICOH® has raised scanning to new levels of productivity. Operating with the Auto Document Feeder (ADF) at 200 dpi, the Ricoh IS420 scans standard letter-size documents at an incredible 46 pages per minute, while the Ricoh IS430 can scan an even more astonishing 64 ppm. And they can complete the job even faster when scanned at lower resolutions.

Convenient Front Operation / Superior Materials Handling

Ricoh has designed the IS420/430 with the operator in mind. Documents are both loaded from the front and returned to the front, enabling the operator to remain in the same position from start to finish. And to make this task even easier on long scanning jobs, the ADF can handle up to 100 standard 8½" x 11" sheets at a time.



Since not all documents that require scanning come in standard sizes, a scanner which can handle only a limited range of materials is a constant source of frustration. The versatile Ricoh IS420/430 can handle mixed originals up to double letter size, automatically checking the size both vertically and horizontally without help from the operator. They can also scan books and cardstock in addition to ordinary paper.

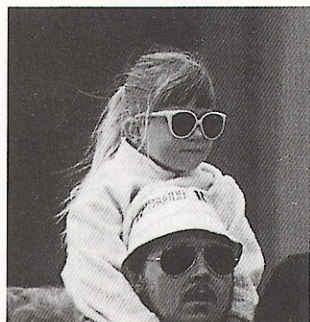


Shown ADF handles small check-size documents

Clear Image Reproduction

The Ricoh IS420/430 will meet all your document image processing needs, with an optical resolution of 400 dpi and 256 grayscale gradations (8 bits/pixel) permitting highly accurate

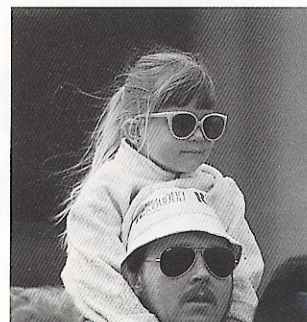
images. The vertical and horizontal resolution can be set independently at 60, 75 or from 100 to 800 dpi.



Half-tone scanned image



Original



8-bit gray scale scanned image

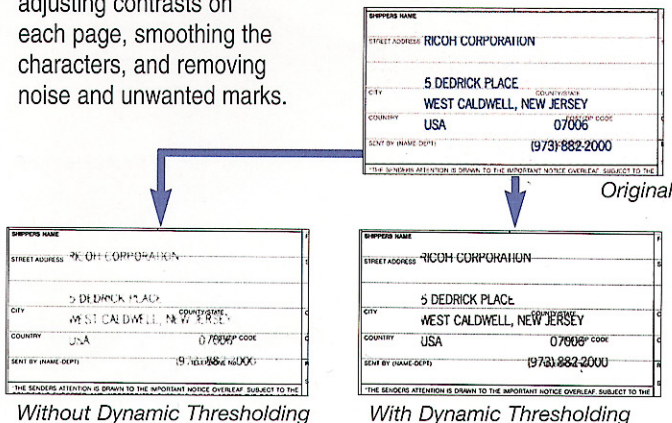
RICOH IS420 / IS430

IMAGE SCANNERS

Image Processing Unit (option)

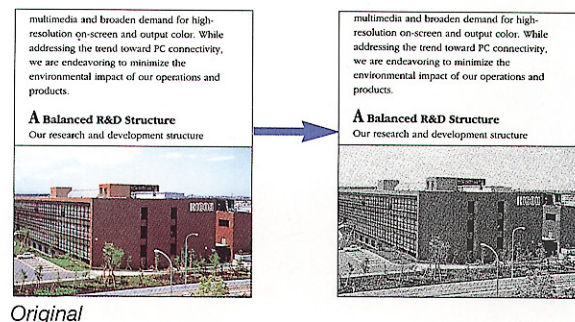
Dynamic Thresholding

Available with the optional Image Processing Unit, Dynamic Thresholding improves image quality further by automatically adjusting contrasts on each page, smoothing the characters, and removing noise and unwanted marks.



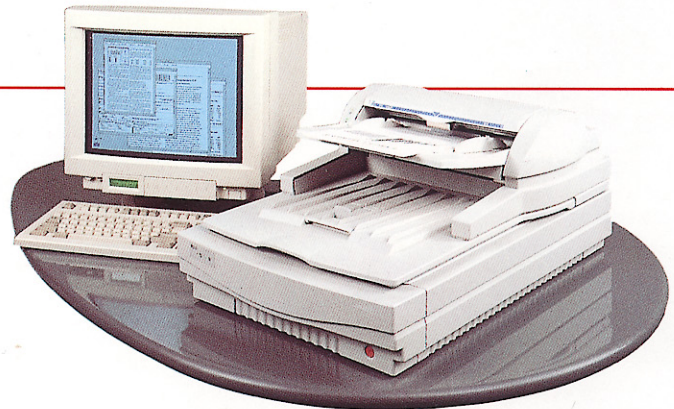
Automatic Photo/Letter

Powerful image-enhancing feature of the Image Processing Unit, Automatic Photo/Letter automatically distinguishes photos and text appearing on the same page and ensures that they are processed for optimum results.



Space-saving Compactness

Measuring just 17.7" x 26.4" x 11.0" (W x D x H) with the ADF attached, both the IS420 and the IS430 fit easily and attractively into any available workspace on a desk, shelf or counter. And since they weigh only 11.3 lbs. each they can be moved freely as the need arises.



Additional Features

High-resolution Optics and Advanced Image Processing

The 400 dpi optical resolution is supported by built-in image-processing algorithms, which tackle such tasks as noise reduction, edge detection and smoothing to achieve even clearer images.

256 Grayscale Gradations

A maximum of 256 gradations of grayscale are available to permit highly accurate scanning of photographs.

Versatile Functions

Various functions have been incorporated to enhance versatility. These include Area Extraction (permitting selection of a rectangular area on a page for scanning), Section Area (allowing assignment of appropriate scanning processes to as many as six areas), and built-in image-processing functions (eliminating noise and smoothing text to achieve crisp, clear images). The operator can also select Binary, Halftone or Grayscale scanning, depending on the job.

Flexible Contrast, Brightness and Gamma Curve Adjustment

A selection of contrast, brightness and gamma curve settings gives the operator greater control over the characteristics of the reproduced image.

SCSI-2 Interface

This standard feature makes it possible to connect the IS420/IS430 to almost any popular personal computer.

Expansion Slot

An expansion slot assures maximum versatility and functionality by enabling users to enhance the IS420/430's scanning capabilities further with third-party add-on hardware.

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RICOH IS420 / IS430

IMAGE SCANNERS

OPTIONS (All options are installable by end users).

Image Processing Unit

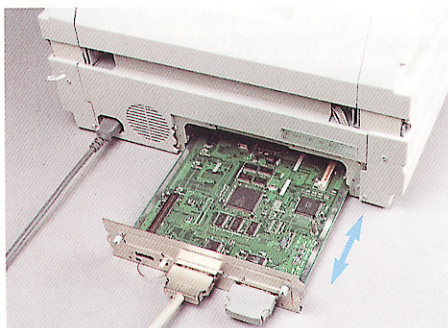
The optional Image Processing Unit features two powerful functions: Dynamic Thresholding, which improves image quality by automatically adjusting contrast on the page, smoothing characters and eliminating noise; and Automatic Photo/Letter, which provides independent treatment of photos and text.

Data Compression Unit

This convenient option increases throughput by reducing the volume of scanned data.

Video Interface Unit

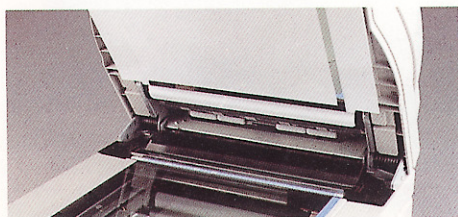
The Video Interface Unit is designed to provide optimum performance of 46 ppm on the IS420, or 64 ppm on the IS430, with the popular imaging boards available on the market.



Options can be easily installed by mounting their cards on the slide-out controller board.

Red Lamp Unit

This option eliminates the red background from OCR (optical character recognition) forms.



Installation for Red Lamp Unit

Ricoh IS420 General Specifications

Flatbed Performance:

Type:	Desktop
Configuration:	Flatbed with built-in ADF
Document Size:	Up to 11.0" x 17.0" (A3/DLT)
Scanning Area:	
Main Scanning:	Max. 11.9" (304 mm)
Sub Scanning:	Max. 17.0" (432 mm)
Scanning Time:	1.5 sec. (Letter/Portrait @ 200 dpi) 3.0 sec. (Letter/Portrait @ 400 dpi)
Gray Scale:	256 gradations (8 bits/pixel)
Optical Resolution:	400 dpi
Interface:	SCSI 2 Video (Option)
Power Supply:	115/230V Auto-sensed Switch
Dimensions:	(W) 17.7" (450 mm) x (D) 26.4" (670 mm) x 11.0" (282 mm)
Weight:	Approx. 55.2 lbs. (approx. 25 kg)
Life of Flatbed:	5 years or 300K scans, whichever comes first

Auto Document Feeder (ADF) Performance:

Access to ADF:	Front loading operation
Stack Volume:	100 sheets (letter sized paper)
Document Size:	
Main Scanning:	Max. 12.0" (306 mm) Min. 2.71" (60 mm)
Sub Scanning:	Max. 17.0" (432 mm) Min. 4.7" (120 mm)

Throughput:

		Portrait	Landscape
Letter	200 dpi	36 ppm	46 ppm
Letter	300 dpi	23 ppm	31 ppm
Letter	400 dpi	18 ppm	24 ppm
Letter	LT/200 dpi	38 ppm	45 ppm
Letter	300 dpi	25 ppm	30 ppm
Letter	400 dpi	19 ppm	24 ppm

Life of ADF:	5 years or 1,000K scans, whichever comes first
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Ricoh IS430 General Specifications

Flatbed Performance:

Type:	Desktop
Configuration:	Flatbed with built-in ADF
Document Size:	Up to 11.0" x 17.0" (A3/DLT)
Scanning Area:	
Main Scanning:	Max. 11.9" (304 mm)
Sub Scanning:	Max. 17.0" (432 mm)
Scanning Time:	1.1 sec. (Letter/Portrait @ 200 dpi) 2.2 sec. (Letter/Portrait @ 400 dpi)
Gray Scale:	256 gradations (8 bits/pixel)
Optical Resolution:	400 dpi
Interface:	SCSI 2 (SCAM) Video (Option)
Power Supply:	115/230V Auto-sensed Switch
Dimensions:	(W) 17.7" (450 mm) x (D) 26.4" (670 mm) x 11.0" (282 mm)
Weight:	Approx. 55.2 lbs. (approx. 25 kg)
Life of Flatbed:	5 years or 500K scans, whichever comes first

Auto Document Feeder (ADF) Performance:

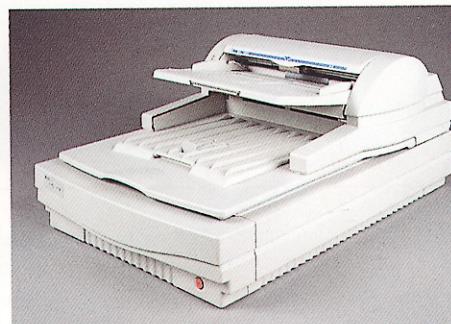
Access to ADF:	Front loading operation
Stack Volume:	100 sheets (A4 sized paper)
Document Size:	
Main Scanning:	Max. 12.0" (306 mm) Min. 2.71" (60 mm)
Sub Scanning:	Max. 17.0" (432 mm) Min. 4.7" (120 mm)

Throughput:

		Portrait	Landscape
Letter	200 dpi	50 ppm	64 ppm
Letter	300 dpi	32 ppm	43 ppm
Letter	400 dpi	25 ppm	33 ppm
Letter	LT/200 dpi	52 ppm	62 ppm
Letter	300 dpi	34 ppm	41 ppm
Letter	400 dpi	26 ppm	33 ppm

Life of ADF:	5 years or 2,000K scans, whichever comes first
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Note: Specifications are subject to change without notice.



Printed in U.S.A. on recycled paper because Ricoh cares.



Ricoh Co. Ltd. has been granted a certificate of ISO 9001, which is the International Standard for Quality Systems.

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Image Communication

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