



Document Scanner 9520

Image Quality. Productivity. Price. Now you *can* have all three. Plus Perfect Page Scanning.



Document Scanner 9520

The *Kodak Digital Science*[™] Document Scanner 9520 delivers a remarkable combination of image quality, throughput, and price that simply wasn't possible until now. The Document Scanner 9520 is literally the product of Kodak design excellence and a legacy of continuous improvement on a proven high-volume platform. The on-board image processing performance of Adaptive Threshold Processing (ATP) and the Document Image Manager delivers maximum image quality. Advanced document feeding technology allows you to easily handle daily volumes up to 33,000 pages and beyond for maximum productivity. Plus, the Document Scanner 9520 is backed by a worldwide service and technical support network to help assure you of maximum uptime and the most pages scanned per shift.

SAVE TIME AND STEPS WITH PERFECT PAGE SCANNING

The Document Scanner 9520 lets you avoid time-wasting rescans or reprocessing steps. Built-in image processing capabilities mean there's no need for an expensive accessory processing board—and no need to settle for start-and-stop scanning. Features like an optimized CCD camera on a laser-aligned optics platform, improved edge detection due to Contour Tracing (patent pending) technology, and full grayscale skew correction provide sharper edges and optimal OCR read rates. Perfect Page Scanning means that you feed pages in and get perfect images back at full production speed. And only Kodak can deliver it, because only Kodak has the imaging science and paper handling it requires.

FAST AND RELIABLE TO MEET YOUR NEEDS

Kodak is the market leader in production scanners. The Document Scanner 9520 scans up to 160 pages per minute (A4 letter, landscape mode, 200 dpi), equivalent to 320 images per minute in duplex mode. It handles an unsurpassed range of document sizes, thicknesses, and surface quality to minimize stoppages and the need for rescans. The feeder, exit hopper, and controls are positioned conveniently to help operators work efficiently. Features like easy operator calibration and multi-feed detection based on length and thickness help any imaging application meet its quality control needs.

NEW CONFIGURATIONS FOR CUSTOMIZED PERFORMANCE

The Document Scanner 9520 is available in multiple configurations, all of which include adaptive thresholding, image enhancement technology, and multi-feed detection. The Productivity Pack and Speed Pack configurations offer the right combinations of features to suit your application.

Achieve the maximum in image quality and productivity through Perfect Page Scanning with the *Kodak Digital Science* Document Scanner 9520.

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STANDARD FEATURES

- Image Header file contains image information, such as image size, bar code data, and sequence number to facilitate image file management.
- Friendly operator interface includes event confirmation tones, LCD Status Display with operator messages, programmable function keys, and time-saving user-defined modes for specific applications.
- Advanced (semiautomatic or automatic) document feeder technology with self-centering feed guides and convenient exit hopper maximize operator productivity.
- Gap release lever (with the Semiautomatic Document Feeder) accommodates exceptionally thick documents, such as filled envelopes.
- Exit hopper is adjustable to handle documents of varying sizes.
- Convenient doors allow easy access to the document transport system.
- Computer-based diagnostics and modular design simplify service to minimize downtime.
- Adaptive Threshold Processing enables uniform image quality from intermixed documents to eliminate sorting and reduce rescanning.
- The Document Image Manager provides in-line image processing. Operating at full scanner speed, the Document Image Manager automatically detects skew angles and corrects images, automatically crops, and reduces borders.
- On-board error diffusion provides improved continuous image tone.
- High-resolution 400 dpi camera system and custom designed and built photographic-quality lenses enable selectable output resolution from 70 to 300 dpi, accommodating a range of applications.

OPTIONAL ACCESSORIES

- Patch Reader automates the document batch structure according to patches printed on documents or on header cards.
- Bar Code Reader recognizes data encoded on documents for transfer to the host system as part of the Image Header.
- Automatic Document Feeder holds up to 300 sheets and allows operators to load the scanner, start it, and let it run while preparing the next batch.
- Check Feeder and Check Stacker provide continuous transport and scanning of check-size documents.
- Endorser imprints document with uniform stamp.

- Document Printer 1 and Super Printer 12 enable you to print information on scanned documents for document identification and tracking.
- Footswitch allows hands-free operation for enhanced user productivity.

All Document Scanner 9520 accessories function at full transport speed.

SPECIFICATIONS

Document dimensions

Length: 6.4 to 76.8 cm (2.5 to 30 in.)
Width: 6.4 to 30.5 cm (2.5 to 12 in.)
Thickness: up to .036 cm (.014 in.)

Host connection

Via SCSI-2 interface with Image Header.

Interface support

Kodak Digital Science High-Volume Capture Software
Kofax
ISIS drivers
TWAIN drivers

Imaging

Output resolution: Scalable from 70 to 300 dpi in 10 dpi increments

Format: CCITT Group III or IV compressed or uncompressed

Processing: Pixel compensation, image enhancement, adaptive thresholding, error diffusion, compression, image filters

Transport

Type: Ball bearing and belt

Daily duty cycle: Unlimited (typical document volumes from 12,000 to 33,000 pages per 8-hour shift)

Speed: 200 dpi landscape mode, A4 letter

- up to 160 pages per minute (120 ppm in portrait mode)
- up to 320 images per minute (duplex)

300 dpi landscape, A4 letter

- up to 107 pages per minute (80 ppm in portrait mode)
- up to 214 images per minute (duplex)

Other: Detects jam, skew, and document multi-feed conditions

Service

Laptop computer diagnostics via RS-232 port and SCSI-2 port

Environmental requirements

Temperature: 15 to 30°C (59 to 86°F)

Relative humidity: 15 to 76%

Heat dissipation: 5730 Btu

(maximum) 6046 kJ

Acoustical emissions: <76 dB during operation
<67 dB while idle

Dimensions

Height: 117 to 122 cm (46 to 48 in.)
Width: 74 cm (29 in.) without console
152 cm (60 in.) with console
Depth: 130 cm (51 in.)
Weight: <295 kg (<650 lbs.)

Electrical requirements

Voltage AC	Hz/Cycles	Amps
100 V	50/60, 1 phase	15
120 V	60, 1 phase	12
220-240 V	50, 1 phase	10

Agency approvals

UL 1950	CSA C22.2 No. 950
FCC Class A	EN 60 950
VCCI Class A	TüV
CE	DOC
VDE Class B	

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