



## Document Scanner 9500

# Mission-critical performance? Depend on it.



The *Kodak Digital Science*<sup>TM</sup> Document Scanner 9500 is designed for high-volume production scanning applications. It handles daily volumes of 12,000 to 30,000 pages and higher. The Document Scanner 9500 features on-board Adaptive Threshold Processing (ATP) to save time and enhance image quality. A robust paper transport, advanced document feeder, and fast throughput rate provide productive, reliable duplex scanning. Plus, it's 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 ATP

The on-board dynamic thresholding capabilities of the Document Scanner 9500 mean there's no need for an expensive accessory processing board. ATP provides uniform image quality from batches of intermixed documents. This eliminates the need to presort documents by background color, print density, or quality. In many cases, compression is also improved, resulting in smaller file sizes. Rescans are minimized and more work gets done faster.

#### HARDWORKING AND RELIABLE

The Document Scanner 9500 leverages its design strength from *Kodak Imagemark*<sup>TM</sup> Scanners, the industry leaders among high-volume production scanners. Its enhanced transport handles an unsurpassed range of document sizes, thicknesses, and surface quality to minimize stoppages and the need for exception scanning. A new and improved

CCD camera provides sharper edges, reduced noise, and optimal readability. An advanced document feeder accepts mixed-size documents in stacks up to 1.5" (or approximately 200 pages), further reducing operator time and labor costs.

#### FLEXIBLE AND FAST TO MEET YOUR NEEDS

The Document Scanner 9500 provides cost-effective support for distributed document scanning by facilitating batch processing. ATP and auto-feeding allow an operator to feed batches of mixed-size documents continuously. The feeder, exit hopper, and controls are positioned conveniently to help operators work efficiently. Document order is maintained, minimizing the need for document handling after scanning. A variety of accessories enable you to match scanner capabilities to your needs. For example, bar code reading and patch reading are available to reduce or eliminate the need for manual data entry. Or you may require the Check Feeder and Stacker accessories to process volumes of check-sized documents more efficiently. The Document Scanner 9500 scans up to 160 pages per minute (A4 letter, landscape mode, 200 dpi, 120 ppm portrait); equivalent to 320 images per minute in duplex mode.

**Be ready for your peak volumes and future growth with the throughput and reliability of the *Kodak Digital Science* Document Scanner 9500.**

# Kodak Digital Science Document Scanner 9500

## STANDARD FEATURES

- Image Header file contains image information, such as image size, bar code data, and sequence number; facilitates 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.
- Gap release lever accommodates exceptionally thick documents, such as filled envelopes.
- Exit hopper is adjustable to handle documents of varying sizes.
- Access doors allow easy access to the document transport system without the need to move the scanner or remove accessories.
- 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.
- Selectable resolution from 70 to 300 dpi accommodates a range of applications.

## OPTIONAL ACCESSORIES

- Automatic feeder allows manual feeding or continuous feeding of batches of up to 200 mixed-size documents.
- Check Feeder and Check Stacker provide continuous transport and scanning of check-size documents.
- 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.
- Endorser imprints document with uniform stamp.
- Document Printers 1 and 12 enable you to print information on scanned documents for document identification and tracking; choice of 38 characters vertically or 144 horizontally.
- Footswitch allows hands-free operation for enhanced user productivity.

## SPECIFICATIONS

### Document dimensions

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

### Host connection

Via SCSI-2 interface with Image Header. Device driver and toolkit software packages available for virtually all system platforms.

### Imaging

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, ATP compression, image filters

### Transport

Type: Ball bearing and belt  
Daily duty cycle: Unlimited (Typical document volumes from 12,000 to 20,000 pages per 8-hour shift)

Speed: 200 dpi landscape mode, A4 letter

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

300 dpi landscape, A4 letter

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

Other: Detects jam, skew, and document overlap conditions

### Service

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

### Environmental requirements

Temperature: 59 to 86° F (15 to 30° C)  
Relative humidity: 15 to 76%  
Heat dissipation: 5730 Btu (maximum) 6046 kJ  
Acoustical emissions: <67 dB in operation <62 dB idle

### Dimensions

Height: 46 to 48 in. (117 to 122 cm)  
Width: 29 in. (74 cm) without console  
60 in. (152 cm) with console  
Depth: 51 in. (130 cm)  
Weight: <630 lbs. (<227 kg)

## Electrical requirements

Voltage AC	Hz/Cycles	Amps
90-110	50/60, 1 phase	15 @ 100 V
104-127	50/60, 1 phase	12 @ 120 V
190-242	50, 1 phase	6 @ 220 V
208-254	50, 1 phase	6 @ 240 V

## Agency approvals

UL 1950	US safety
CSA 950	Canadian safety
TüV EN 60 950	Worldwide safety (GS mark)
DOC	Canadian EMI
VCCI/EN55022	Japanese EMI
EN55022	Australia and New Zealand

CE

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For manufacturing of imaging equipment.

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