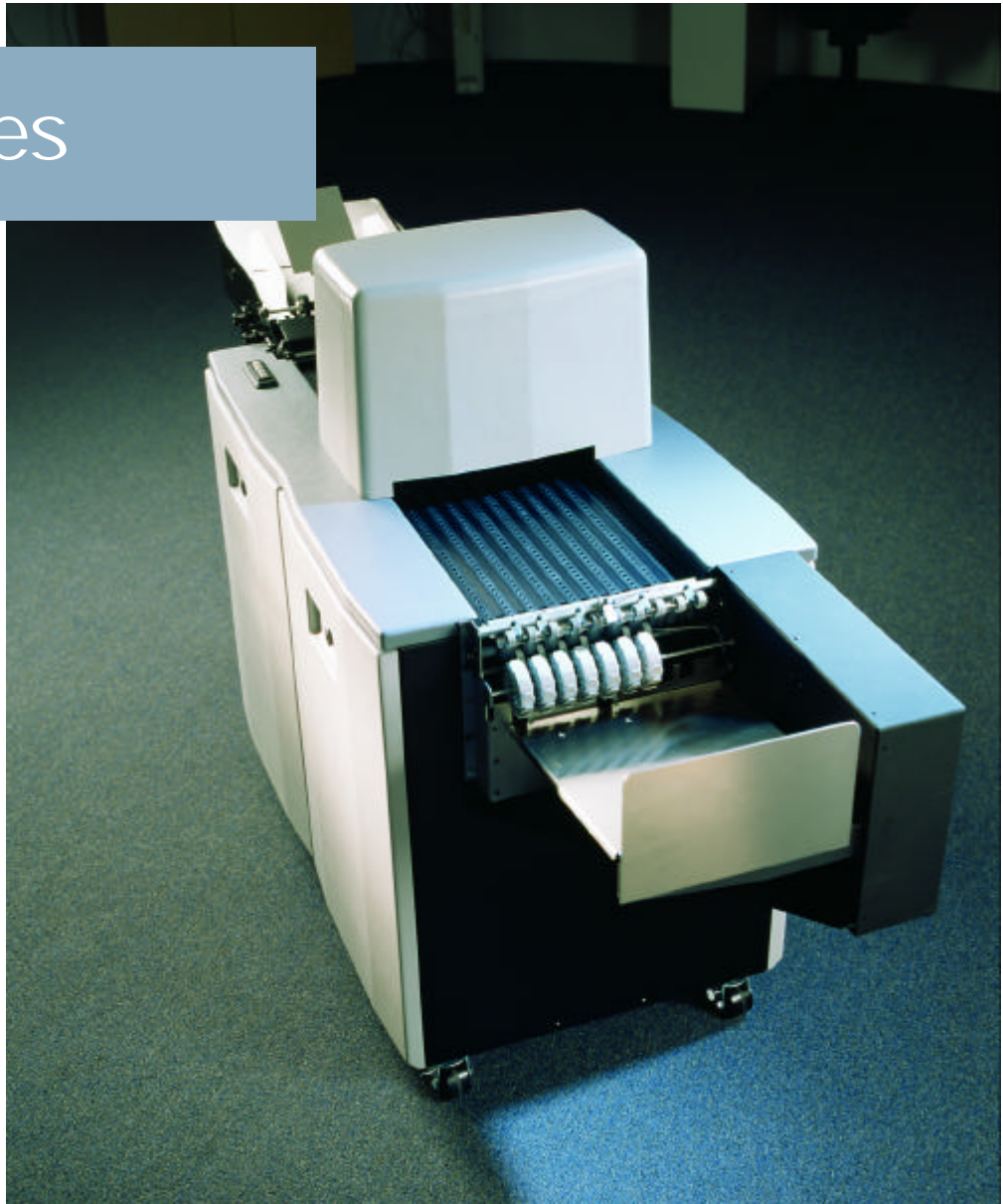




## Series

### The SO Series Scanner:

A single platform to address high speed image capture and high throughput intelligent document processing with the lowest cost/highest performance ratio of any scanner in its class!



### PRODUCT FEATURES

- Field Upgradeable Transport:
  - High speed Image-Only Scanner
  - High throughput inline OCR Scanner
- Leverages Microsoft Windows® and Intel® technology
  - Safeguards customer investment
- High throughput: up to 240 ppm, 14,400 - 27,700 documents per hour, 960 images per minute
- MS61 (ISIS compatible), TWAIN and KOFAX compatible when using ISIS interface
- Handles a wide variety of real-world intermixed document sizes, colors and weights
- Open Track - Section 508 compliant
- Patented Acoustic Double Document Detect Technology
- Advanced Camera Technology:
  - Multiple resolution options (200/300/400dpi)
- In-Line MICR, Bar Code, and Patch Code Options
- 2D Bar Codes are captured at full track speed; no additional camera needed
- Multiple output options: color, grayscale and bi-tonal
- Pre- or post-capture Inkjet Serializer
- SCSI-2 Fast/Wide 68 pin connectivity



scan-optics, inc.



# Series

## Introducing the SO Series Scanner:

### SO Innovative!

Scan-Optics has long been a leader in high-speed, high quality imaging. Now we've created a high-throughput transport that can address the need for capturing high quality images and provide high-quality OCR and document decisioning (intelligent endorsing, outsourcing, transaction integrity checking) - all in a single machine!

### The SO Series Scanners - Highest Throughput and Performance at the Lowest Cost!

Using the latest advancements in technology, Scan-Optics has completely re-engineered this scanner to create a single platform which provides a solution for commercial businesses and government agencies that need high-speed image data capture and high-throughput intelligent document processing. There are two transport options when selecting an SO Series scanner; the SO Series Image-Only and the SO Series OCR.

### The SO Series Image-Only Scanner

Designed to improve operator productivity and reduce the overall cost of scanning.

- Intermixed Document Feeder: operator selectable center or edge-feed
- Performs simplex or duplex (optional) image capture in a single pass
- Natural High-Resolution Simplex Color Camera: 200/300 dpi
  - 24-bit color capture
  - 4096 elements for 320 dpi native with a Field of View of 12.8" or
  - 5120 elements for 400 dpi native with a Field of View of 12.8"
  - Electronic color dropout
  - Multiple Output Options (color, grayscale, bi-tonal, color/bi-tonal, or grayscale/bi-tonal)
- Handles paper sizes from 2.5" x 2.75" to 11.7" x 17.0"
- Handles paper weights from 13 -150 lbs.
- Processes up to 240 ppm and 27K documents per hour (depends on document condition and other factors)
- Continuous paper load
- Performs automatic in-line image enhancement, de-skew, cropping, etc.

- Pre- or post- camera ink jet serializer
- Single Stacker (First-in, First-Out-FIFO)
- Unlimited duty cycle
- Optional: Barcode(1D & 2D), PatchCode, MICR Reader, duplex color camera, 200/300/400 dpi

### SO Flexible: Field Upgradeable

If your needs change or you would like to add in-line functionality, the SO Series Image-Only scanner is easily field upgradeable to the OCR machine - no other transport can provide this level of flexibility!

**The SO Series OCR Scanner** - adds the capability for full in-line OCR document processing.

- Standard OCR fonts
  - In-line machine print read rates equal to 10,000 cps
  - In-line handprint read rates equal 7,500 cps
- Document Design Station application development tool.
- Optional multifont alphanumeric and ICR handprint alphanumeric fonts, intelligent ink jet serializer, multiple pockets (up to 32)

### Expect More Today & Tomorrow.

Since its inception more than 35 years ago, Scan-Optics has been the leader in high volume document processing with a strong commitment to providing the best in scanning technology. Our years of experience have taken us from image disector tubes to digital cameras, from black and white imaging, magnetic tapes and proprietary operating systems to today's color and gray scale imaging, wide area networks and Windows XP. The SO Series goes one step further - by leveraging Microsoft Windows and Intel products as basic building blocks and augmenting them with other off-the-shelf components, the SO Series is not dependent on proprietary components. This minimizes potential failure points, as well as safeguards your initial investment. No more obsolescent components. The SO Series marks yet another milestone in Scan-Optics' commitment to continuous improvements in the document imaging and scanning marketplaces.

## Technical Specifications

### IMAGE CAPTURE/HANDLING

Optical Resolution (optional 200/300/400 dpi)	200/300 dpi standard
Skew Correction	Up to 22.5° (in 0.1 increments)
Rotation	0°, 90°, 180°, 270°
Compression Types	CCITT Group 4, JPEG (24 bit color/8 bit gray scale)
Output	Bi-tonal, gray scale, or color

**TRANSPORT**  
Multiple Document Detection

50 IPS (200 dpi)  
Acoustic Doubles Detector

### PAPER HANDLING

Paper Size	Min: 2.5" x 2.75" Max: 11.7" x 17.0"
Paper Weight	13 lb to 150 lb

### DOCUMENT FEEDING

Feeder	Continuous Feed 4" capacity - 1000 sheets (20 lb stock)
Page/Document Stackers	1 standard Pocket 3.5" Bin Capacity 850 Documents (20 lb stock)
Processing Capacity	8.5" x 11" pages: 14,400 pages per hour* (240 ppm)  6.0" x 2.5" documents: 27,700 pages per hour*

\*Processing rates depend on document condition.

### PHYSICAL DIMENSIONS

Transport (with Stacker)	Height: 50" (127 cm) Length: 62" (157 cm) Depth: 26" (66 cm) Weight: 450 lbs (aprx)/203kg
(with Autofeeder)	Length: 84" (213 cm)

### PHYSICAL AND ENVIRONMENTAL

#### REQUIREMENTS (Sample Configuration)

Power Rating	Voltage: 115/230V, +10, -6% @ 60/50 Hz, 1 phase Current: 18/9 amp
--------------	---

One power source is required. A second power source is required if more than two output stackers are part of the system configuration.

Heat Dissipation	3,400 BTUs per hour (aprx)
Noise	70 dba maximum
Environment	Operating: 50° to 95° F (10° to 35° C)  Shipping Storage: -22° to 140° F (-30° to 60° C)
Relative Humidity	Minimum: 15% Optimum: 50% Maximum: 90%

### AGENCY CERTIFICATIONS

- CE Directive  
EMC (89/336/EEC)  
Voltage (73/23/EEC)  
Machinery (89/392/EEC)
- FCC sub-part B, equipment class A and B
- U/L - CU/L 1950 spec (TUV)



ISO9001:2000 Certified  
[www.scanoptics.com](http://www.scanoptics.com)

We reserve the right to change product specifications at any time. It is our policy to continually invest in improving our products based on market requirements, strategic direction and availability of newer technology. 2004 by Scan-Optics, Inc. All rights reserved. 3/8/04

Corporate Headquarters  
169 Progress Drive  
Manchester, CT 06040-2242 USA  
(800) 745-6001  
(860) 645-7995 Fax

Scan-Optics, Ltd.  
Unit 5, Brookside  
Colne Way, Watford  
Hertfordshire WD24 7QJ  
UNITED KINGDOM  
(44) 1 923-819581  
(44) 1 923-212633 Fax

Scan-Optics, Inc.  
14875 Landmark, Suite 105  
Dallas, TX 75254 USA  
(972) 404-1993  
(972) 404-1043 Fax

**Microsoft**  
CERTIFIED  
Partner