



Series/OCR

The SO Series OCR Scanner:

A high speed intelligent document processing platform with the lowest cost/highest performance ratio of any scanner in its class!



PRODUCT FEATURES

- High throughput inline OCR Scanner
 - 240 ppm
 - 14,400 pages/hr
 - 25700 documents/hr
- High speed inline character recognition
 - Single and multi-font options
 - 10,000 cps machine print
 - 7,500 cps handprint
- Leverages Microsoft Windows® and Intel® technology
 - Safeguards customer investment
- Up to 16 stackers (32 pockets)
- Handles a wide variety of real-world intermixed document sizes, colors and weights
- Open Track
 - Vacuum and belt driven
 - 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 - TIFF or JPEG
 - Color
 - Grayscale
 - Bi-tonal
 - Color/Bi-tonal
 - Grayscale/Bi-tonal
- Pre- or post-capture Intelligent Inkjet Serializer
- TCP/IP Connectivity



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Introducing the SO Series OCR 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 OCR Scanners - Highest Throughput and Performance at the Lowest Cost!

DESIGNED TO IMPROVE OPERATOR PRODUCTIVITY AND REDUCE THE OVERALL COST OF SCANNING

- Full in-line OCR document processing
- Single and multi-font recognition
 - In-line machine print read rates equal to 10,000 cps
 - In-line handprint read rates equal 7,500 cps
 - OCR-A, OCR-B, 1403, E13B, 407E, 7B, OMR
 - MICR: Standard optical E13B font
 - Optional: handprint, multi/omni-font, customized fonts
- SO Designer application development tool
- Continuous paper load
- Performs automatic in-line image enhancement, de-skew, cropping.
- Pre- or post- camera intelligent ink jet serializer
- Multiple Stackers (First-in, First-Out) up to 32 pockets
- 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" (optional)
 - 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"

- Handles paper weights from 13 -150 lbs.
- Processes up to 240 ppm and 26K documents per hour (depends on document condition and other factors)
- Unlimited duty cycle
- Optional: Barcode(1D & 2D offline), PatchCode, magnetic MICR Reader, duplex color camera, 200/300/400 dpi

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	200/300 dpi standard (optional 200/300/400 dpi)
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 240 ppm; 8.5" x 11.0" landscape
Open Track	

PAPER HANDLING

Paper Size	Min: 2.5" x 2.75" Max: 11.7" x 17"
Paper Weight	13 lb to 150 lb

DOCUMENT FEEDING

Feeder	Continuous Feed 4" capacity - 1000 sheets (20 lb stock) Adjustable side guide Center or edge fed
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Document Stacking	Up to 16 stackers (32 pockets) 3.5" Bin Capacity 850 Documents (20 lb stock) Hang-on moneywheel stacker
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DOCUMENT PROCESSING CAPACITY

8.5" x 11" pages:	14,400 pages per hour* (240 ppm)
3.0" x 6.0" documents:	25,700 pages per hour*
Adjustable feed gap and release	

*Processing rates depend on document condition. 200/300 dpi configuration capturing at 200dpi landscape.

PHYSICAL DIMENSIONS

Transport (with option section)	Height: 50" (127 cm)
One Stacker Single Pocket	Length: 84" (213 cm) Depth: 26" (66 cm) Weight: 450 lbs (aprx)*/203kg
with Autofeeder	Length: 102.5" (260.5 cm)
Two Pocket Stacker	Height: 67 1/8" (170cm) Length: 29" (74 cm) Depth: 26" (66 cm) Weight: 450 lbs (240kg)*

*Weights will vary based on selected options.

PHYSICAL AND ENVIRONMENTAL REQUIREMENTS (Sample Configuration)

Power Rating	Voltage: 115/230V, +10, -6% @ 60/50 Hz, 1 phase Current: 18/9 amp max
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One power source is required. A second power source is required if more than three output stackers are part of the system configuration.

Heat Dissipation	3,400 BTUs per hour (aprx)
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Noise	70 dba maximum
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Environment	Operating: 50° to 95° F (10° to 32° C)
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Shipping Storage:	-22° to 140° F (-30° to 60° C)
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Relative Humidity	Minimum: 15% Optimum: 50% Maximum: 90% (non-condensing)
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AGENCY CERTIFICATIONS

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



ISO9001:2000 Certified
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. 2005 by Scan-Optics, LLC. All rights reserved. 8/15/05

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