



SmartSource®

Expert



SmartSource Expert

Continuing the Digital Check tradition of over 100 years of innovation and excellence based on an in-depth knowledge of the financial industry, the newest SmartSource Expert is a perfect fit in any networked “thin client” environment due to its Ethernet interface and onboard intelligence.

Improved Efficiency

The new open feeder reduces document preparation requirements and enables easy loading of documents by automatically opening the input hopper when empty. The SmartSource Expert can be configured to start feeding automatically when documents are loaded into the feeder. In case of a document jam, the SmartClear button eliminates the need to open or remove covers to retrieve the document.

Reduced Maintenance Requirements

The SmartSource Expert is engineered to process high volumes of daily items, yet it requires minimal maintenance. Often, all that is required is a rapid cleaning procedure which uses a cleaning card and does not require opening or removing any covers. The standard ink-jet endorser uses a custom ink formulation which eliminates the need for operators to clean the cartridge. The result is more time for the operator to be productive servicing their clients, and less time spent on periodic maintenance and consumable replacement.

Standard Features

The SmartSource Expert uses onboard intelligence to perform Magnetic Ink Character Recognition (MICR) and Optical Character Recognition (OCR) read, 300 dpi image capture and compression, image quality

decisions, franking, and endorsement all in real-time at up to 120 documents per minute. Pocket decisions can be made based on MICR and/or front image content such as OCR, barcode recognition, or image quality results.

Internal processing serves to reduce network traffic. A digital signature is applied at time of capture within the device, eliminating image security risks.

48 MB of internal memory serves as storage for up to 1000 document images making it possible for document processing operations to continue during periods when the network is interrupted or data transfer rates are reduced due to increased network traffic.

The SmartSource Expert device offers a backlit LCD display to communicate operational status and/or exception conditions directly to the operator. The SmartSource Expert also includes the capability to scan a variety of documents, such as ATM envelopes and very short pieces of paper (less than three inches [7.6 cm] in length).

Optional Features

The SmartSource Expert is available in speeds of up to 80, or 120 documents per minute, and both models are configured with two exit pockets. Available options include OCR, barcode recognition, color imaging, a high resolution 4-line rear ink-jet endorser, and a front franker stamp. Many features can be upgraded at your location (on-line) as business requirements expand.

The 4-line rear ink-jet endorser supports any Microsoft true-type font and eliminates the need for a separate receipt/validation printer. In addition to endorsing customer-deposited checks, it is capable of validating internal cash tickets and an array of teller documents.

SmartSource Expert Technical Information

Document Processing Throughput	Dimensions
Document throughput of 80 or 120 documents per minute (dpm)	Length: 10.5 in (26.7 cm) Depth: 5.99 in (16.0 cm) Height: 7.0 in (17.8 cm)
Power Requirements	Document Hopper
100-240 VAC @ 50/60 Hz	Up to 100 item hopper capacity
Weight	Document Feeder
Installed weight: 6.5 lbs. (3.0 kg) Power supply: 0.75 lbs. (0.34 kg)	Automatic document feeder Double document detection
Certifications	Magnetic Ink Character Recognition (MICR)
CE, UL/TUV, CSA, RoHS, VCCI, FCC Class A	E13B and CMC7 read with auto-detect
Document Sizes	Image Capture
Document size - Height (min./max.): 2.00 to 4.25 inches (5.08 to 10.80 cm) - Length (min./max.): 2.90 to 9.25 inches (7.37 to 23.5 cm) Document weight - Paper weight, nominal: 20 to 24 lb - 20 lb. long grain (75 gr/m ²) - 24 lb. short or long grain (90 gr/m ²) Document Height-to-Length ratio - Minimum aspect ratio: 1.50	Front and rear image capture at 300 dots per inch (dpi) Two (2) color images or a combination of up to five (5) bi-tonal and gray scale images Image renditions available - Bi-tonal (black/white) - Gray level (256 gray shades) - Color (24-bit, RGB) – Device Suite only Image resolutions available - 300 dpi, color only (reduced throughput) – Device Suite only - 240, 200 dpi, gray level or bi-tonal - 120, 100 dpi, gray level
Communication Interface	Image Compression Standards
Ethernet 10/100 Base-T USB 2.0 high-speed	CCITT Group 4 (bi-tonal images) JPEG Baseline (gray level images) Uncompressed 24-bit, RGB pixel data (color images) – Device Suite only
Operating Systems	Optical Character Recognition (OCR)
Windows 10 Professional 32-bit / 64-bit (64-bit Ethernet only) Windows 8 Professional 32-bit / 64-bit (64-bit Ethernet only) On-Board: Windows CE	OCR-A, OCR-B and E13B fonts supported Two (2) 0.50 inch OCR scan bands provided 96 characters per scan band MICR/OCR combine read
Operator Interface	Endorsement
Power switch Combined Feeder Start/Stop and SmartClear Button Light Emitting Diode (LED) - Three (3) LED status lights Liquid Crystal Display (LCD) - Backlit LCD display - Two (2) line display, eight (8) characters per line	Front Franker - Franking roller with fixed message - Franking actuation, controlled programmatically Rear Endorser - Ink jet print cartridge (600 dpi) - One (1) to four (4) line endorsement, any True Type font - Two (2) vertical endorsement locations, manually selected by operator allows eight (8) single-line vertical endorsement locations - Graphics capable for logos and signatures - Three (3) levels of print quality (economy, standard, or premium) - Programmatically controllable based on MICR and/or OCR read
Application Programming Interfaces (API)	Output Pockets
CAPI (Common Application Programming Interface) Device Suite Professional Embedded version DLL (Dynamic Link Library) API	Dual pocket configuration 100-item pocket capacity per pocket Pocket selection under application control, based on MICR, OCR, and/or Image Quality results

NOTE: Not every API Operating System combination may be qualified. Contact your application provider for more information.

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