

SmartSource® Expert Micro Elite



The Secure Choice®

The SmartSource Expert Micro Elite is a low-cost, compact scanner optimized to run over an **Ethernet network connection** using SecureLink by Digital Check® 2.0 API. Like all scanners in the Digital Check® portfolio, the SmartSource Expert Micro Elite provides industry-leading quality and performance – and it also has the smallest footprint of any tabletop check scanner.



ID SCANNING

The Expert Micro Elite features dual 600 dpi image sensors that produce high-resolution images. It can also scan rigid items such as ID and health insurance cards. Its open-top track allows capture of items up to 4.25 inches in height.



SINGLE-FEED OPERATION & SMALL FOOTPRINT

The single-feed Expert Micro Elite has a track speed of 45 documents per minute (DPM) and can handle checks as fast as you can feed them into the device. The check scanner is the smallest in its class, taking up very little desktop or teller counter space.

KEY FEATURES & BENEFITS

- **Onboard Intelligence**
 - Minimum Installation Profile
 - Embedded SecureLink 2.0 API
- **Fast and Affordable**
- **ID Card Scanning**
- **Single-Line Inkjet Endorser**
- **Automated Cleaning with Smart Button Indicator**
- **Open-Top Track for Easy Access**
- **E13B and CMC7 MICR Recognition with Auto-Detect and Integrated E13B Optical Recognition Assist**

AUTOMATED CLEANING

An LED light alerts the user when it is time to clean. The user then simply presses the Smart Button three times to activate cleaning mode, inserts a fresh cleaning card, and the scanner performs a unique cleaning sequence that scrubs the track and cleans the sensors.



Affordable and Cost-Effective

The SmartSource Expert Micro Elite is built with the quality of our batch-feed scanners, but with a much smaller footprint and at a significantly lower cost. So, whether you need an RDC scanner in North America or an enterprise scanner to handle checks, coupons, or other compatible payment forms in other parts of the world, the Expert Micro Elite is the scanner for you!



Built-In Processing

The Expert Micro Elite performs key functions onboard the scanner, including double-feed document detection, MICR recognition, OCR recognition, combined MICR/OCR recognition, image cleanup, image thresholding, cropping, and compression for color, black and white, and grayscale images.



Industry-Leading Image & MICR Capture

The Expert Micro Elite uses 600 dpi image sensors and applies image thresholding to create accurate high-resolution images, resulting in superb CAR/LAR read rates. Our top-of-the-line MICR read heads coupled with optical recognition offer a proven and reliable defense against ambiguous characters and out-of-spec documents.



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The Expert Micro Elite is network enabled through a standard Ethernet connection using SecureLink by Digital Check 2.0 API. Optionally, the Expert Micro Elite can be connected to a host computer using RNDIS (Remote Network Driver Interface Specification), a virtual Ethernet link over USB.

Network Enabled with Embedded Intelligence

SecureLink 2.0 API is designed to reside in the scanner itself, not your workstation or server. SecureLink 2.0 API allows the scanner to work as the network device that can communicate via browser on your network. The teller workstation effectively acts as a pass-through for data from a central server and delivers two major benefits to end users.



Gain Operating System, Device, and Browser Flexibility

SecureLink 2.0 API enables deployment in a virtual desktop infrastructure (VDI) environment and allows the scanner to be controlled by any device that is connected to the network. The custom-designed network-based interface makes it possible for the Expert Micro Elite to be controlled by devices using virtually any operating system, including traditional PCs, handheld devices, and touchscreens.



Eliminate Network Bandwidth Bottlenecks

Onboard processing and image compression eliminate the issue of extreme amounts of data transferring over a network connection. Digital Check incorporates image compression within the API that is embedded in the scanner itself. File sizes are reduced by up to 99% before they even reach the network, eliminating bottlenecks and bandwidth issues.



Minimal Installation Profile

Scanner setup is greatly simplified by eliminating the need to install a Digital Check USB driver and API software on the workstation. Simply connect via an Ethernet cable and identify the Expert Micro Elite scanner on the network, and it is ready to go.



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Scanner Specifications



Scanner Dimensions

Height: 7.1 in (18.0 cm)
Width: 5.0 in (12.7 cm)
Length: 7.3 in (18.5 cm)
Weight: 3.3 lbs (1.5 kg)

Scan Speeds - Documents Per Minute (DPM)

Up to 45 DPM

Document Input and Output Pockets

Entry Pocket: Single-feed scanner (1 item at a time)
Exit Pocket: 1 item

Document Handling

Document Height: 2.00 to 6.00 in (5.08 to 15.24 cm)
Image Capture Height: Up to 4.25 in (10.80 cm)
Document Length: 2.90 to 9.25 in (7.37 to 23.5 cm)
Document Weight: 16 to 28 lb (60 to 105 gsm)
Document Thickness: 0.0032 - 0.0058 in (0.081 - 0.147 mm)
Alternate Input: ID cards and items up to 0.030 in (0.76 mm) thick, and items taller than 6.00 in (15.24 cm)
ID Card Capture (SecureLink 2.0 API only)

MICR/OCR Recognition

E13B and CMC7 auto-sensing
OCR-A, OCR-B, E13B, and 1D barcode fonts supported
Two (2) 0.50-inch OCR scan bands provided
96 characters per scan band
MICR/OCR combine read

Endorsement Option

User-replaceable cartridge (96 dpi printing, 1-line)
Three (3) levels of print quality available (economy, standard, or premium)
User-programmable text

Image Sensor

Resolution: 600 dpi
Light Source: Tri-Color LEDs

Image Compression Standards

CCITT Group 4 (bitonal images)
JPEG Baseline (gray level images)

Productivity Functions (Smart Button)

Combined power switch, feeder start/stop, clear document jams, and cleaning mode
Multi-colored LED status light

Connectivity

Category 5e (Cat5e) Ethernet cable supply included
10/100 Ethernet

Application Programming Interfaces (API)

SecureLink 2.0 API (includes RNDIS)

Supported Operating Systems

SecureLink 2.0 API

OS Independent

SecureLink-RNDIS

Windows 10, Windows 11 (32/64 bit)
macOS (Contact Digital Check Technical Support for specific versions supported)

Standard Warranty

One year pursuant to Digital Check Corp.'s limited product warranty

Power Requirements

100-240 VAC @ 50/60 Hz
Operating Power: 20 W
Standby Power: 3 W

Environmental

Operating Temperature: 60° - 90° F (15° - 32° C)
Operating Humidity: 35 - 85% non-condensing

Certifications

Safety:

UL, cUL, CE

Emissions:

FCC: Class B
ICES-003
CE

Power Supply Efficiency:

DOE Level VI

RoHS Compliant

Part Numbers

SSX1-MICROELITE-RNIJ (Expert Micro Elite with inkjet endorser)