



TELLERSCAN[®] 400ES

Countertop Check Scanner

For Branch, Remote and Distributed Capture Applications



Features:

- **Highest Speed Scanning**
(up to 90 checks per minute)
- **100 Item Jam Resistant Feeder**
- **Two Enhanced Output Pockets** *(sort selectable)*
- **Enhanced MICR Line Reading**
- **Highest Quality Images**
- **Optional Ink Jet Endorser**
- **Made in USA & Europe**
- **Windows 32 bit Common API's**

Countertop scanning:

◆ TellerScan 400ES has been designed for branch scanning, ARC and lockbox, microfilm replacement and preparation for electronic check clearance. TellerScan 400ES offers a unique combination of fast scanning, reliability, small footprint and low cost. Needing just 8 x 12 inches of space, the TellerScan 400ES transport fits easily into any countertop or teller window area. Its 100 item jam-proof feeder paired with two 100 item output pockets increase efficiency. Its PC interface allows for maximum flexibility, simple operator controls, easy and quick viewing of the images and sort patterns to be run at high speed.

High Speed Scanning and Best Read[®] MICR Codeline reading:

◆ You will appreciate the performance and attractive design of the TellerScan 400ES which includes two-sided, duplex check scanning as a standard feature. Using industry standard PC's the transport can scan up to 90 items per minute, and the "U-shaped", straight through paper path minimizes jams and space requirements. E13B and CMC-7 MICR fonts are read magnetically and to further maximize MICR read rates on E13B fonts, our API supplements the magnetic read with a verification. This Best Read[®] technique, first used on high speed check sorters, provides the best accuracy read rate available today on these types of scanners.

Enhanced Output Pockets:

◆ Two 100 item pockets have been enhanced to increase capacity and maximize sorting and item sequence capabilities. Pocket sorting is under program control to allow sorting capability to meet a wide range of application requirements.

Jam Resistant Autofeeder:

◆ A 100 item automatic feeder, coupled with built-in infra-red double feed detection allows for shared use or unattended back office operation.

Highest quality images:

◆ The TS-400ES features an anti-skew transport which utilizes two imaging cameras to capture both sides of the items in one pass at up to 200 dpi resolution and 256 shades of gray. Images are then processed by software within the controller. This technique, which leverages the power of the PC, allows for improved algorithms that provide for maximum flexibility, higher quality images and lower costs. The output is captured in standard Group IV-TIFF, JPEG, or bitmap formats.

Endorser option:

◆ An optional software programmable ink-jet endorser prints customized endorsement information, logos, dates, and sequential numbers onto the items as they pass through the transport.

Reliable and Durable – Reduced Servicing Costs:

◆ The TellerScan 400ES is built in the US and Europe from a design & components proven in thousands of units shipped by Digital Check Solution Partners. It is a cost effective scanner with a transport designed to scan millions of items. On board diagnostics, power on self testing, and an easy to service modular design ensures reliable, problem-free operation. Servicing costs are further reduced through the use of common components throughout Digital Check's comprehensive line of check scanners.

Common API

◆ TellerScan 400ES was designed to make integration and software support easy. All our products utilize a common API, which means that you can mix and match different TellerScan units within the same application – even within the same branch – without reprogramming. You can add new scanners into the branch as and when they come available without reprogramming. It means faster implementation and only one application to support.



TELLERSCAN[®] 400ES

Branch Check Scanner

Specifications

Product Features

Paper Size: Up to UNI A6

Document Height: 2.16 - 4.13 inches (55-105mm)

Document Length: 2.95" - 9.0" (75-230mm)

Document Weight: 16-32 lb. (60-120 grams per sq.meters)

FeederCapacity: Approximately 80-100 items
(depending on document thickness and condition)

Output Pockets:

Quantity 2 Standard Software Selectable

Approximately 80-100 item capacity

Scanning Method:

Concurrent two-sided duplex (front & rear)

Cameras: 2 x 840 cell, 105mm contact CCD

Light source: Green LED

Double Feed Detection:

Infra-red based transmissive device-software adjustable.

Programmable double feed delay performs skip-over function.

Scanning Speeds & Image Resolution:

Black and White (bitonal) & Grayscale

200 x 100 dpi 39.37inches/sec (100 cm/sec)

200 x 200 dpi 19.69 inches/sec (50 cm/sec)

100 x 100 dpi 39.37inches/sec (100 cm/sec) – grayscale only

Grayscale depth: 4 or 8 bits/pixel (16 or 256 shades)

Throughput: Up to 90 – 6 inch (5.2 cm) documents per minute.

Depends upon scanning mode selected and power of host computer

SCSI Interface:

SCSI-2. ID selectable at scanner

(default is SCSI ID2))

Image Compression:

G IV bitonal or JPEG grayscale

Performed by software running on workstation

Image Transmission: Via SCSI port

MICR Recognition:

MICR recognition firmware for E13B or CMC7 standards:

MICR codeline data transmitted via SCSI port

Software Tools & Support Services

Software Tools:

API Toolkit 16 and 32 bit versions available

Windows '98, ME, NT, 2000 and XP

Diagnostic Features

On-Board Diagnostics:

Tests complete functionality of the scanner

Power-On Self Testing:

Automatic self-testing of electrical

components when powering on the unit

Serviceability:

EEPROM allows monitoring hours of operation and total check count.

Flash EEPROM allows easy upgrade of functionality

Environmental & Electrical Features

Electrical:

Power consumption: 75 watts (max.) Input voltage:

115 VAC (+/- 10%), 60hz - US domestic

230 VAC (+/- 10%), 50hz - international

Separate standard AC power supply

Agency Approvals:

UL, CE, FCC approved

Product Life & Duty Cycle:

Designed for: Useful life of 20,000,000 checks

Duty cycle: 8,000-12,000 checks per day

Mean Time To Repair (MTTR): 30 minutes

Environmental:

Temperature (operating): 60° – 90° F (15° - 32° C)

Humidity (operating): 35%-85% (non-condensing)

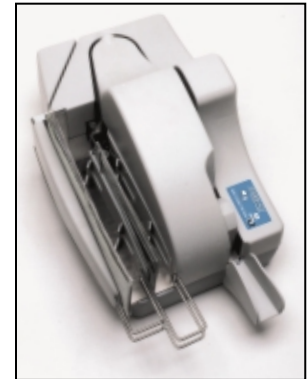
Scanner Dimensions:

Height - 7.50 inches (19cm)

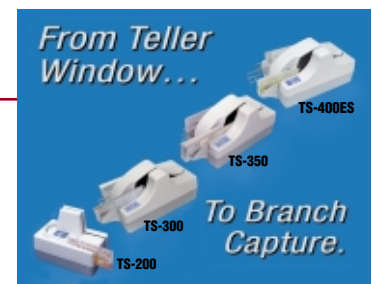
Depth - 7.25 inches (18.5cm)

Length - 12.75 inches (32.5cm)

Weight - 9.75 lbs. (4.4kg)



Enhanced Pockets



*TellerScan is a registered trademark of Digital Check Corporation.
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For more information about this product and others,
contact your NCR Sales Representative
or call: **1-800-Call NCR**

*Learn more about NCR's scalable family of transports on our website at
www.ncr.com/products/hardware/pay_platform.htm*