UniLink

To order or for more information:
Tel: 1-800-666-2980
E-mail: info@unilinkinc.com
Web: www.unilinkinc.com

*Teller***Scan 4120**

Fast, Quiet and Reliable Countertop Check Scanner

Digital Check Corporation's successful and highly reliable TellerScan brand of check scanners welcomes the latest enhancement of back office products to the market. The TellerScan TS4120 series is a fourth generation design that embodies the most advanced technology for distributed check capture today. The TS4120's quiet operation is ideal for back office production scanning – with two speeds in either up to 80 or 120 checks per minute, depending on the application and configuration.

TS4120 FEATURES

• Fast scanning speed: up to 120 dpm • 100 item, jam-resistant feeder • Two large output pockets • Endorse before scanning for Check 21 • Fourth generation product, built upon reliable ergonomic design • Industry leader in image quality • Improved Best ReadMICR for maximum MICR accuracy • Easy integration — common API and remote support 21 • Industry Leading Image Quality For Highest CAR, IQA and ICR Rates • Uses Common DCC

Financial institutions challenged Digital Check to manufacture a scanner which meets their real-world requirements of speed, reliability, and quietness while maintaining Check 21 image clearing requirements. With its small footprint, short U-shaped transport path, and double-pocket exit trays, the TS4120 provides smooth operation for optimal feeding and the highest reliability. The TS4120's special exit pocket tabs keep batches of checks in order, including both personal and business checks.

A jam-resistant feeder combined with a double feed infrared sensor protects against piggybacked or missed items. The transport can even process thick checks such as 'rebate' check cards sent through the mail as postcards. A sophisticated API-based double feed detection system analyzes suspect items in real time, avoiding false double feeds due to the 'thickness' of these card-style checks while insuring that if an actual piggyback were to ever occur it would be caught.

Because of Digital Check's experience in engineering and manufacturing refinements, the TS4120 offers an attractive purchase price – making this Digital Check's best value in back office check scanners to date.

When quality is paramount

Digital Check's reputation for providing the best image quality is a key factor in TellerScan's leadership in both branch automation and remote deposit installations. Digital Check's scanners are used by major US banks and Treasury Management corporate customers to scan millions of items per month. The TS4120's unique Best ReadTM Image thresholding, analyzes each item individually to maximize image quality and minimize user intervention resulting from poor image quality. This provides sharp, easy to read images that support Check 21 Image Quality and Usability (IQA & U) standards. Dual tricolor CIS imaging modules provide the highest image definition available in today's countertop check scanners. As each check is scanned, it is analyzed before adaptive thresholding into black and white using proprietary software technology to sharpen the edges of characters. This, combined with an anti-skew transport, gives superior CAR/LAR, OCR/ICR recognition of machine print, signatures, and name or address information. Some challenging items with complex colored backgrounds or faint colored inks may be optionally captured and stored locally on the PC in grayscale or color for research.

Enhanced Best Read MICR:

The TS4120 advances Digital Check's unique, high-quality Best Read MICR technology with new, improved algorithms. The integrated magnetic MICR reader captures and passes the codeline information to the controlling PC with high-speed USB2 interface where the MICR characters are decoded to ensure maximum accuracy through proprietary multiple verification techniques. Then the Best Read OCR MICR verification performs additional verification of MICR data based upon confidence levels, to deliver the highest MICR accuracy read rate for countertop scanners in the industry today.

Easy to integrate - common API

Digital Check's scanners are designed to be quick and easy to integrate with USB2 plug-and-play connection. A common API allows all TellerScan scanners to operate from the same code reducing your implementation time and software maintenance costs. Adding a scanner to the installation or updating to new hardware within the organization becomes a snap. The new API is capable of providing remote support tools that can log errors regardless of the scanner so that they can be interrogated remotely – and should an enhanced version of firmware be released, each scanner can be updated remotely over the network.

UniLink™

To order or for more information:
Tel: 1-800-666-2980
E-mail: info@unilinkinc.com
Web: www.unilinkinc.com

Product Specifications

Check 21 friendly

The programmable inkjet endorser prints downloaded endorsements (dates, sequential numbers, logos, etc.) on the back of the checks before scanning. This pre-scan non-contact endorser uses commonly available high capacity Hewlett Packard ink cartridges enabling checks to be image truncated at the earliest stage. The endorser's crisp legible endorsement, captured with the image of the check, is ideal for Check 21 image exchange.

Speed: Up to 120 items per minute depending upon configuration

Unit Size: 8.25" x 12.75" (exit pockets add 3 inches)

Paper Size: (Up to UNI A6)

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

    Document Length: 3.25" - 9.0" (75-230mm)

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

Motorized Autofeeder Capacity: 1-100 item feed (up to 100 items, depending on document thickness and condition) using Digital Check's Infinity™ feed continuous feed check feeder

Output Pockets: 2 pockets come standard. Software selectable sorting Approximately 80-100 item capacity per pocket

Double Feed Detection: Infrared based transmissive device, software adjustable. Programmable delay performs skip-over function. Non-stop process with adaptive auto-detection built into the interface logic

Scanning Method: Concurrent two-sided duplex

    Image Creation: 2 x 850 cell, 108mm CIS

    Light Source: Tricolor LED

Endorser: Programmable inkjet, prior to scan, 12 dots/ch height. Variable fonts; supports graphical BMP printing

Estimated Yield: 5-7M characters

Cartridge: Hewlett Packard 6602A

In-Line MICR Recognition: MICR recognition firmware for E13B (USA & UK), CMC7 (European), CMC0 standards Magnetic MICR waveform passed to PC. MICR codeline data available as a separate file or in image header. MICR optical verification built into the interface. MICR is available sooner than image, making the sorting process quicker

Transport Speed: 19.7" (50 cm) per second

Scanning Performance: 120 6" (15cm) items per minute. Scanning throughput depends upon scanning mode selected, interface, power of host computer (memory, processor, and disk drive write speed), use of simple or complex endorsements, and additional processing such as CAR or IQA. Full grayscale runs close to maximum rated speed

Standard Interface: Standard USB2.0 (recommended). Compatible with USB1.1 with performance limitations

Image Capture:

24-bit (16M shades) - color

8-bit (256 levels) - grayscale

1-bit black and white or 4-bit grayscale, software selectable through API

Image Resolution: 200 x 200 dpi (508 x 508 dots/cm), 100 x 100 dpi (254 x 254 dots/cm), 200 x 100 dpi (508 x 254 dots/cm) (V x H) software selectable through API

Image Formats & Compression:

TIFF Gp/4, JPEG, or BMP via custom software running on workstation

Automatic image cropping

Easy Access to Lens for Cleaning:

Door swings open to easily access camera lens for cleaning

Diagnostic Features

    Diagnostic Tools: Allows for full testing of scanner functionality

    Serviceability: Firmware can be updated across the network to allow easy upgrade of functionality

Firmware

    TS4000 firmware.bin with API 8.5x or later

(Firmware file resides on the local PC for easy remote update capability)

Software Tools & Support Services

    Software Tools: API Toolkit 32 bit

    Required Operating System: Windows 2000, Windows XP, Windows Vista (32 bit)

    Recommended PC Configuration: 2 GHz, 512 MB RAM

    Required DLL: DLLs included with API v8.5x or later

Environmental, Reliability, & Electrical Features

    Electrical: Power consumption: 65 Watts

    Input Voltage: 100 to 240 VAC (+/- 10%), 50/60hz

    Separate Standard Power Supply: Auto sensing for voltage

Product Life & Duty Cycle:

Product Life: Designed for a useful life of over 10,000,000 items

Duty Cycle: 8,000 – 12,000 items per day

Mean Time To Repair (MTTR): 30 minutes

    Environmental:

    Temp. (operating): 60° - 90° F (15° - 32° C)

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

    Unit Dimensions:

    Height: 7.00" (17.5cm)

    Depth: 8.25" (20.6cm)

    Length: 12.75" (32.5cm)

    Weight: 9.75 lbs. (4.4kg)

Certifications: UL, CE, FCC