

# TELLERSCAN<sup>®</sup> TS230

## Fast, Quiet and Reliable Countertop Check Scanner

### TS230 FEATURES

- **Three Models**  
35 Items Per Minute  
65 Items Per Minute  
100 Items Per Minute
- **Field Upgradable Speed**
- **Renowned Reliability**
- **Jam Resistant Feeder with Infinity™ Feed**
- **Front and Back Color Cameras**
- **Space Saving Design**
- **Endorse Before Scanning For Check 21**
- **Industry Leading Image Quality For Highest CAR, IQA and ICR Rates**
- **Uses Common DCC Application Interface**



The TellerScan TS230 family of scanners are used by major US banks and Treasury Management corporate customers to scan millions of checks each month. The TS230-35 and TS230-65, are ideal for teller windows and environments that need to process deposits throughout the day or in a narrow time frame. The faster TS230-100, at 100 items per minute, is ideal for the commercial window of banks, the back counter of small branches or for high volume remote deposit capture. The TS230 family has proven to be one of the most reliable scanners on the market with less than half of a percent warranty claim rate. The TS230 has been proven to deliver higher MICR read rates and image quality in competitive tests using the CAR/LAR read rates as an accurate measure.

### PERFORMANCE

The TS230 scanners quiet operation is ideal for teller operation or treasury office activities. With a footprint of just 5" x 8 1/2", the TS230 is one of the smallest scanners in the industry. The short U shaped transport path provides smooth operation for optimal feeding and high reliability. The proven, jam resistant feeder combined with a sophisticated double feed detection system analyzes suspect items in real time, avoiding false double feeds while ensuring that only rare 'real' double feeds are caught.

### IMAGE QUALITY

The TS230's two cameras create very sharp 200 dpi images that are then processed in our API to create the final image. The Best Read™ Image thresholding, analyzes each

item individually to maximize image quality and resulting CAR/LAR recognition and minimize user intervention resulting from poor image quality.

### BEST READ MICR

The TS230's proven MICR read electronics combined with our API's Best Read MICR technology set the bar for MICR read rates. The TS230's MICR reader captures and passes the codeline information to the API where the MICR characters are decoded through three proprietary algorithms. The Best Read™ MICR is compared to an OCR read of the MICR data based upon confidence levels, to deliver the highest MICR accuracy read rate for countertop scanners in the industry.

### DCC'S PROVEN API

Further enhancing the functions of the TS230 scanner is our feature rich Application Interface (API).

Popular API features include:

- Virtual Endorsement
- Best Read™ MICR with OCR recognition
- Best Read™ Image with adaptive thresholding
- Remote Monitoring
- Special Document Thresholding for hard to read checks
- Special Document Thresholding for hard to read checks based upon ABA and / or account number
- Automatic image rotation

THE SECURE CHOICE™

# TELLERSCAN® TS230

## Fast, Quiet and Reliable Countertop Check Scanner

### SPECIFICATIONS

**Unit Size:**

Height: 6.60" (16.76 cm)  
Depth 5.10" (12.95 cm)  
Length: 8.60" (21.84 cm) (Tray adds 2.5")  
Weight 4.41 lbs. (2.00 kg)

**Paper Size:** (Up to UNI A6)

Document Height: 2.12" - 4.13" (54 - 105 mm)  
Document Length: 3.19" - 8.98" (81 - 228 mm)

**Document Weight:**

16 - 32 lb. bond (60 - 120 gsm)

**Document Thickness:**

0.0032" - 0.0058" (0.081 - 0.147 mm)

**Printer:** Programmable, single line inkjet printer with user replaceable cartridge

**In-Line MICR Recognition:** Bi-Directional (Magnetic Ink Character Recognition) for E13B (North America) and CMC7 (Europe)  
Optical Character Recognition to enhance MICR Read, further enhanced using DCC's Best Read™ API function

**Transport Speed:** 19.69 inches per second (50 cm)  
TS230-35 / 35 documents per minute  
TS230-65 / 65 documents per minute  
TS230-100 / 100 documents per minute

**Standard Interface:** Standard USB 2.0

**Supported Compression:**

JPEG (24 bit color, 8 bit Grayscale)  
BMP (24 bit color, 4 or 8 bit Grayscale)  
TIFF Group 4 B/W

**Image Resolution Optical:**

200 x 200 dpi - 8 bit Grayscale  
200 x 200 dpi - 24 bit Color

**Image Resolution by Software Scaling:**

100 x 100 (Scan at 200 dpi and scaling down to 100)

**Scanning Method:** Concurrent Two-Sided Duplex (2 Scan Modules)

**Scan Module:** Contact Image Sensor (CIS)

**Resolution:** 200 dpi (850 Pixel Linear Array)

**Light Source:** Tri-Color LEDs

### SUPPORTED OPERATING SYSTEMS

**Supported Operating Systems:**

Windows® 2000, Windows® XP, Windows Vista® (32 / 64 bit)  
Ubuntu® 7.05, Red Hat AS - Version 5, OpenSuse

### ENVIRONMENTAL / RELIABILITY / ELECTRICAL FEATURES

**Electrical:** Power consumption: 45 Watts

**Input Voltage:** 100 to 240 VAC, 50/60 Hz

**Separate Standard Power Supply:** Auto sensing for voltage

**Product Life & Duty Cycle:** Designed for a useful life of over 2,000,000 items

**Mean Time To Repair (MTTR):** 15 minutes

**Environmental:**

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

Operating Humidity: 35 - 85% non-condensing

**Certifications:**

Safety: UL, CE

FCC: Class B (Industrial, Business or Home)

RoHS Compliant



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466 Central Ave., Suite 31 • Northfield, IL 60093 • Tel: 847.446.2285 • Fax: 847.441.5507 • www.digitalcheck.com