

# CheXpress™ CX30

**Fast, Quiet and Affordable Small Business Remote Deposit Scanner**



The CheXpress CX30 was designed for remote deposit applications for small business and merchant usage, but also for use in lower volume teller applications. While continuing Digital Check's track record of the highest image quality, MICR accuracy, and dependability found in every other DCC scanner, the CX30 brings all of those features in a more affordable offering for the business processing lower check volumes. Ideal for low volume application (less than 200 checks per day), the CX30 has the durability to process thousands of checks per day as well.

The programmable inkjet printer prints endorsements (dates, sequential numbers, logos, etc.) on the back of the checks before scanning.

## **Energy Efficient and Designed to be Environmentally Friendly**

The CX30 was designed with a concern for the environment and the rising cost of energy. It meets the future California Energy Commission level IV requirements. When the scanner is not being used it's built in USB power management automatically powers down the device and turns it off completely when the PC is turned off. Not only is the CX30 energy conscious, but it also meets RoHS and WEEE environmental standards. The CX30's efficiency will save you money and help conserve our natural resources.

## **Extending the CX30's Capabilities with DCC's Proven API**

Further enhancing the functions of the CX30 scanner is our feature rich Application Interface, (API). Our common API allows all Digital Check scanners to operate from the same code reducing implementation time and software maintenance costs. Mixing or adding a scanner to an installation is a snap. Digital Check's API is recognized as the most complete and feature rich scanner interface in the industry.

Popular API features include:

- Virtual Endorsement
- Best Read™ MICR with OCR compare
- Best Read™ Image with adaptive thresholding
- Remote Monitoring
- Exception Document Handling for hard to read checks

## **Key Benefits of the CX30:**

- Fast and Quiet Scanning
- Ergonomically Designed for Today's Office Environment
- Dual Adaptive MICR Read
- Multiple Image Capture
- Print Before and/or After Imaging
- Energy Efficient & Green Friendly
- TS215 Software Compatibility
- Supported by the DCC API
- Made in America

## **Ergonomically Designed for Today's Office Environment**

The CX30's stylish design is ideal in an office environment where desk space is always a premium. With the scan and return function and special cable routing feature, the scanner requires minimal desk space. The scanner is fast and quiet, making it ideal for small businesses, merchants, or even a home office.

## **Dual Adaptive MICR Read**

The CX30 has the ability to capture the MICR data as the check is fed into the scanner as well as on the return path. Based upon the initial MICR results, the scanner can adjust the magnetic read head on the second MICR read for difficult items, resulting in maximum MICR accuracy and faster transactions.

## **Multiple Image Capture**

The CX30 can capture multiple images as the check enters and leaves the scanner. This gives you the ability to optimize image thresholding capabilities for maximum CAR/LAR rates and image quality.

## **Ability to Print Before and / or After Imaging**

The unique paper path of the CX30 allows an application to print an audit trail on the check before or after image capture. This allows an application to do unique forms of processing like making an endorsement decision based upon the MICR line read.

# CheXpress CX30 Specifications

## Scanner Dimensions:

Height: 7"  
Depth: 4"  
Length: 9.5"  
Weight: 3.5 lbs.

## Paper Size: Up to UNI A6

Document Height: 2.12"-4.17" (54-106mm)  
Document Length: 3.19"-8.97" (80-228mm)  
Document Weight: 16-120 lb. bond (60-500 grams/sq. meters)  
(.09-.15mm thick)(.0035-.0059in thick)  
Pass Through Mode: (.23mm thick)(.0090in thick)

## Endorser:

Programmable inkjet, before or after image scan, 12 dots/ch height. True Type Fonts support for multiple fonts and languages; supports graphical BMP printing

Estimated Yield: 5-7M characters  
Cartridge: Hewlett Packard C6602A

**In-Line MICR Recognition:** In-line MICR (Magnetic Ink Character Recognition) for E13B (North America) and CMC7 (Europe)  
Optical Character Recognition to enhance Magnetic Read  
Industry Best MICR Read Rate

**Transport Speed:** 19.7" (50 cm) per second. Up to 30 DPM

## Scanning Performance:

The typical scan speed is just over one second per 6" document  
Depending upon the PC speed and using the recommended USB 2.0 connection, an operator could feed 6" checks at almost 30 DPM

## Standard Interface:

Standard USB 2.0 (recommended). Compatible with USB1.1 with performance limitations

**Scan modes:** Scan and Return, Exception Pass Through

## Supported Compression

JPEG (24 bit for color, and 8 bit for grayscale)  
BMP (24 bit for color, and 4 and 8 bit for grayscale)  
Tiff Group 4 B/W

## Image Resolution Optical

300x300 dpi - 8 bit Grayscale  
300x100 dpi - 24 bit Color

## Image Resolution by Software Scaling

240x240 (Scan at 300 dpi and scaling down to 240)  
200x200 (Scan at 300 dpi and scaling down to 200)  
120x120 (Scan at 300 dpi and scaling down to 120)  
100x100 (Scan at 300 dpi and scaling down to 100)

**Scanning Method:** Concurrent two-sided duplex CIS

**Image Creation:** 2 x 1275 cell, 108mm CIS

**Light Source:** Tricolor LED

## 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

CX30Firmware.bin with API 9.x 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 or 64 bit), Ubuntu 7.05, Red Hat AS -Version 5  
**Recommended PC Configuration:** 2 GHz, 1 GB RAM  
**Required DLL:** DLLs included with API v9.x or later

## Environmental, Reliability, & Electrical Features

**Electrical:** Power consumption: 24 Watts  
**Input Voltage:** 100 to 240 VAC, 50/60hz  
**Separate Standard Power Supply:** Auto sensing for voltage

## Product Life & Duty Cycle:

**Product Life:** Designed for a useful life of over 1,000,000 items  
**Duty Cycle CX30:** Up to 1500 items per day  
**Mean Time To Repair (MTTR):** 15 minutes

## Environmental:

**Temp. (operating):** 60° - 90° F (15° - 32° C)  
**Humidity (operating):** 35-85% non-condensing

**Certifications:** UL, CE, FCC Class B, CEC IV, RoHS

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