



- Production Scanning
- Capture Items at up to 200 DPM
- 300-Item Input Feeder
- 1 to 4-Line Inkjet Endorser
- 12 Pockets With up to 200-Item Capacity Per Pocket
- Compatible With Previous Quantum Models

### Compatibility

Digital Check recognizes the importance of a stable production environment to meeting the service level agreements in place. The Quantum Desktop Sorter (DS) has been designed to be compatible with the existing installed base of Quantum sorters. It provides the flexibility to use the DS to supplement your existing sorters without requiring expensive application changes.

### Open Track Design

Assured visibility to documents in the track provides for easy operator access to documents and quick clearing of exception conditions resulting in faster recovery. This convenient, at-a-glance location of documents eliminates needlessly opening covers to check for a clear track. Covers are easily removable to access track components for consumables replacement, operator maintenance, and accessing documents involved in some exception conditions. In most exception conditions, the open track design provides easy access to items in the track without removing the covers.

### Auto-Feeder

The auto-feeder holds up to 300 documents (24 lb.) and may be reloaded while the system is running. An auto-retracting document feeder flag is designed to enable single-handed operation when loading documents into the hopper. After documents are inserted into the hopper, the device automatically closes the feeder flag and initiates document feeding. After the last document in the batch is processed, the feeder automatically stops, and the feeder flag opens so that the hopper is ready to accept the next batch of documents. Advanced double-document detection, using optical sensors controlled by system software, is standard on the Quantum DS.

### MICR and OCR Readers

All Quantum DS systems are equipped with a Magnetic Ink Character Recognition (MICR) reader, providing the Digital Check standard highest recognition rates in the industry. Optionally, the Quantum DS may also be equipped for recognition of OCR and/or selected barcode fonts. A combined MICR/ OCR read function, which is available with all Quantum DS reader configurations, provides exceptional read rates of MICR E13B printing.

### Endorsement

A non-impact, inkjet rear endorser prints up to four lines of text or graphical information under application control. The rear endorser provides for two operator-selectable height adjustments and three print quality settings under application control. The Quantum DS rear endorser supports graphical content, True Type fonts, including various foreign fonts.

### Image Capture

Front and rear 300 dpi contact image sensors (CIS). MICR is read before the front image is captured and allows for pocketing decisions without interrupting item flow. Rear capture happens after printing to capture image with endorsement.

The system provides for multiple, compressed grayscale and/or black & white image renditions to comply with today's banking image exchange requirements. High-resolution renditions may also be produced for CAR, LAR and ICR technologies. Image capture is accomplished without degradation to track speed.

## Pockets

The Quantum DS comes factory-configured with 12-pockets. Each pocket can hold up to 200 documents. The operator may remove documents from pockets while the unit is in operation, improving overall throughput of the operation. Status lights on every pocket indicate that pockets are full (yellow) or are ready to accept documents (green).

## Performance

The Quantum DS has been designed as a production class, desktop reader-sorter. As such, it is the perfect choice for small to mid-range processing volumes, where document sorting is still a requirement. At a rated speed of 200 (6 inch) documents per minute, it is an intelligent powerhouse that fits on a desktop at an affordable price.

## PRODUCT SPECIFICATIONS

### Scanner Dimensions (12-pocket configuration)

Height: 8.80 in (22.5 cm)  
Width: 13.50 in (34.3 cm)  
Length: 49.30 in (125.2 cm)  
Weight: 59.5 lbs. (27.0 kg)

### Image Sensor

Resolution: 300 dpi  
Light Source: Tri-Color LEDs

### Magnetic MICR Read Options

Auto-detect reads intermixed E13B and CMC7 documents  
Optical Character Recognition (Optional)  
(2) OCR codelines selected under application control  
Fonts: OCR-A, OCR-B, E13B  
Barcode recognition (Requires OCR reader)  
2 of 5, 3 of 9, UPC, GS1

### Front and Rear Image Capture

Image renditions available

- Bi-tonal (black/white)
- Gray level (256 gray shades)
- Color (24-bit, RGB)

Image resolutions available

- 300 dpi color
- 240 or 200 dpi, bi-tonal
- 240, 200, 120 or 100 dpi, gray level

Image Capture combinations available

Front image capture (up to three images)

- 300 dpi, color (BMP)
- 240 or 200 dpi, bi-tonal (CCITT)
- 240 or 200 dpi (full resolution), gray level (JPEG)
- 120 or 100 dpi, gray level (JPEG)

Rear image capture (up to two images)

- 300 dpi, color (BMP)
- 240 or 200 dpi, bi-tonal (CCITT)
- 240 or 200 dpi (full resolution), gray level (JPEG)
- 120 or 100 dpi, gray level (JPEG)

### Endorsement

User-replaceable cartridge (up to 600 dpi printing, 1-4 lines)  
Three (3) levels of print quality available (economy, standard, or premium)

### Productivity Functions

Feeder start/stop SmartClear button

### Connectivity

High-speed USB 2.0 cable and power supply included

### Document Input and Output Pockets

Entry Pocket: Up to 300 item hopper capacity  
Entry pocket automatically opens for ease of use  
Double document detection  
Exit Pockets: Up to 200 items per pocket

### Application Programming Interfaces (API)

CAPI  
Ranger for Quantum DS (available from Silver Bullet Technologies)

### Supported Operating Systems

Windows 10®, Windows 11® (32/64 bit)

### Power Requirements

100-240 VAC @ 50/60 Hz  
Operating Power: 330 W  
Standby Power: 3 W

### Environmental

Operating Temperature: 59° - 104° F (15° - 40° C)  
Operating Humidity: 20 - 85% non-condensing at 40° C

### Certifications

FCC-Class A, CE, ICES-003 - Class A, VCCI, UL



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