## **Quantum DS**

Reader/Sorter Replacement





The Quantum DS was made to be a modern replacement for full-sized reader/sorter machines, retaining the most important capabilities at a fraction of the size and cost. With a rated speed of up to 200 documents per minute and 12-pocket sorting, it is the perfect choice for high-volume batch processing.



## 12-POCKET SORTING

## **CAPABILITIES**

The Quantum DS comes with 12 sorting pockets, each with a 200-item capacity. The operator may remove documents from the pockets while the unit is in operation, improving overall productivity. Status indicator lights on each pocket let users know when full (yellow) or ready to accept documents (green). Pocket sorting decisions can be based on MICR, OCR, image quality (front and/or rear), or a waterfall pattern.

#### 4-LINE INKJET **ENDORSER**

A rear inkjet endorser prints up to four lines of text or graphics and supports. True Type fonts and various foreign fonts. The endorser provides two operator-selectable height adjustments and three print quality settings.

## UNLIMITED CONTINUOUS FEEDING

The auto-feeder holds up to 300 documents at a time, and more items can be added while scanning is in progress. The exit pockets can also be emptied while the machine is running, allowing potentially unlimited continuous scanning. In "waterfall" mode, the Quantum DS fills each pocket without sorting and then moves on to the next one, giving it a capacity of up to 2,400 items at a time.

## **KEY FEATURES**& BENEFITS

- > 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
- Continuous Feed -Add Documents and Empty Exit Pockets While Machine is Running



Digital Check recognizes the importance of stable production environments for meeting high-demand service agreements. The Quantum DS is compatible with previous generations of our legacy Quantum machines.



The Quantum DS shares most components in common with other models in the SmartSource® scanner family. The important parts are also user-replaceable - a key design choice in the high-wear, high-volume environments that it was built for.

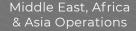


Most desktop scanners tend to have a duty cycle that tops out at 1,000 or 2,000 items per day, but the Quantum DS will keep going for 25,000 or even 50,000 and beyond.



Headquarters & Americas Operations







Let's get in touch!

# Technical Specifications Quantum DS

## **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)

#### Scan Speeds - Documents Per Minute (DPM)

Up to 200 DPM

#### **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 Pocket** Up to 200 items per pocket

## **Image Sensors**

**Resolution** 300 dpi **Light Source** Tri-Color LEDs

#### Front & Rear Image Capture

## Image renditions available

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

## Image resolutions available

- 300 dpi color
- 240 or 200 dpi, bitonal
- 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, bitonal (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)

#### **Inkjet Endorser**

User-replaceable ink cartridge (up to 600 dpi printing, 1-4 lines)

Three (3) levels of print quality available (economy, standard, or premium)

User-programmable text and graphics

Operator-selectable height adjustment options

### **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

## **Productivity Functions**

Feeder start/stop SmartClear button

### Connectivity

High-speed USB 2.0 cable and power supply included

#### **Application Programming Interfaces (API)**

CAPI for QDS

Ranger for Quantum DS (available from Silver Bullet Technology Inc.)

## **Supported Operating Systems**

Windows 11, Windows 10 (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

**Safety** UL, cUL, CE **Emissions** FCC: Class A, ICES-003, CE, VCCI RoHS Compliant



#### **Part Numbers**

QDS20012-SYS (Quantum DS with 12-pocket sorting and inkjet endorser)







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