

The APT BookScan 2400 & 2400RA™

High-volume digitization requires speed, quality, and the flexibility to work on site or remotely. The Kirtas APT BookScan 2400™ and 2400RA™ provide the highest quality image capture system, most powerful processors, expansive storage and the option for increased productivity through remote access.

Superior Image Quality

All of Kirtas' digitization systems use high-quality, digital cameras rather than traditional scanner technology to capture page images. Both APT 2400's are equipped with two 16.6 mega pixel EOS-1Ds Mark II Canon digital cameras. They photograph each right- and left-hand page simultaneously through the cameras' Canon 24-70mm Zoom EF lenses. Resolution can be set to 300 or 400 pixels per inch, with the potential to interpolate to as high as 600 dpi.

Robotics More Gentle Than the Human Hand

The book rests gently in the patented SmartCradle™ Dynamic Book Handler, which automatically adjusts to compensate for the decreasing number of pages on the right side as they are turned and captured. The SmartCradle™ maintains the open book at exactly 110 degrees throughout the process, providing a low-stress support for rare and fragile books.

Meanwhile, the SureTurn™ robotic arm reduces the need for manipulating pages by hand, which is most critical in the case of old or fragile bound documents. The computer-controlled arm uses an adjustable vacuum system, in tandem with page fluffers to gently pick up and turn one page at a time.

Quality Assurance Through Technology

To assure only one page is picked up and none are missed, the APT 2400s are equipped with the Kirtas Page Edge Sensor, which monitors the APT's performance and adjusts the head's position as needed. The Page Separator helps to isolate the individual pages while the high-precision Page Edge Sensor monitors the APT's performance and adjusts the head's position as needed. It simultaneously checks to make sure one, and only one page is turned at a time. In the rare instance when a page is missed, or multiple pages are lifted, the Page Edge Sensor detects the misfeed and automatically takes corrective action.

Productivity Through Speed and Simplicity

The APT BookScan 2400 and 2400RA can capture at an amazing 2400 pages per hour, and that's not the only feature designed to increase productivity. The APT Manager— the software that runs the APT system— is

easy to learn and intuitive to use.

Leveraging Metadata makes Mega Sense.

Kirtas is the only solution that integrates metadata into the production process to ensure seamless workflow and inventory control. Simply scan the book's bar code, and the APT Manager searches the selected library database for any metadata available— including MARC records, DublinCore, MODS, and other formats— and saves it in the Metadata folder for that particular book for easy access throughout the production process and beyond.

A Matter of Volume and Logistics

Whether you require an APT BookScan 2400 or a 2400RA is dependent upon your particular situation. While both systems will provide the same excellent image quality and speed and protect the integrity of the bound document, they are differentiated by the included computer workstation.

The APT BookScan 2400

The standard 2400 is equipped with two Dual-core Intel Core™ Duo and Extreme processors and 1GB RAM. It is perfect for high-speed, high-volume digitization with file storage on a separate server.

The APT BookScan 2400RA

The 2400RA includes two high performance Intel Blade servers that allow for simultaneous image capture, processing, quality control, and OCR conversion. In addition, the 2400RA is configured to allow for remote access processing, which means while your image technician is digitizing books at your main facility, others can be working on image processing, quality control and OCR conversion on other books— without the need for moving files from one server to another.

Please refer to the reverse side of this page for a complete list of specifications.

*The APT BookScan 2400™
pictured with the
optional ErgonomicTable™*



Kirtas APT BookScan 2400™ Specifications

Performance

Cycle Speed: 2400 images per hour
Bit Depth: Color, Grayscale and B/W
Output: Color JPEG, TIFF, JPG2000 (optional)

Technical

Capture: 16.6 MP Digital Camera,
36 bit RGB, 4992 x 3328 pixels
Resolution: 300 - 400 ppi
Page Size: 4.5 x 7 to 11 x 14 in.
(11.5 x 17.8 to 28 x 35.6 cm)
Paper: 13lb to 80lb (49 gsm to 120 gsm)
Binding: Up to 4 in. (10.16 cm)
Machine Dimensions: 33" w x 30" d x 48" h
(84cm x 76cm x 122cm)
Weight: 160lbs (73Kg) approx.
Power: Standard 120-240 VAC,
15 amp Receptacle

Workstation: 2 Mini-Tower Computers

- Dual Core Intel® Core™ 2 Duo Extreme Processors
- 1 GB, 533MHz, DDR2 ECC SDRAM Memory
- WINDOWS XP PRO SP2, English
 - Broadcom NetXtreme 10/100/1000Gigabit Ethernet controller -PCI Express card
- 17" Flat Panel with Height Adjustable Stand

Certification: AS/NZS, CE, CSA, EN, FCC, IEC, RoHS, UL

Kirtas APT BookScan 2400RA™ Specifications

Performance

Cycle Speed: 2400 images per hour
Bit Depth: Color, Grayscale and B/W
Output: Color JPEG, TIFF, JPG2000 (optional)

Technical

Capture: 16.6 MP Digital Camera,
36 bit RGB, 4992 x 3328 pixels
Resolution: 300 - 400 ppi
Page Size: 4.5 x 7 to 11 x 14 in.
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Weight: 160lbs (73Kg) approx.
Power: Standard 120-240 VAC,
15 amp Receptacle

Workstation: 2 High Performance Blade Servers

- 2 Quad Core Intel Xeon E5345 processors @ 2.33GHz
- 2 GB, DDR2 ECC SDRAM Memory
- 1 Seagate 80GB drive "Operating System"
- 4 Hitachi 1 TB drives Raid 0,1, 5 or 10 "Storage"
- 2 Intel Pro Gigabit Network cards
- Windows 2003 SERVER
- 17" Flat Panel with Height Adjustable Stand

Certification: AS/NZS, CE, CSA, EN, FCC, IEC, RoHS, UL

Accessories



Ergonomic Table

- locking casters
- electric adjustable elevation
- server storage
- multiple receptacle access
- 48-inch (122cm)



Symbol LS-2208 Barcode Scanner

- range from 0-17" (0-42cm)
- GTIN Compliant
- flash memory
- ergonomic design

Small Book Extension Kit

- extends the capacity of your APT system to handle books smaller than 4.5" x 7"

