

JPEG 2000

Kirtas Technologies is the leader in quality, high-speed, nondestructive mass book digitization. Our patented robotic digitization systems, innovative processing software, high-accuracy OCR, and unique archiving technology enable us to provide multiple output options that stand the test of time.

Kirtas JPEG 2000

JPEG 2000 conversion translates TIFF, JPEG, BMP and other file formats. This hardware is integrated with the Kirtas BookScan Editor Software Suite and is connected through either a post-processing PC or through a Kirtas APT system (1212, 1600, 2400/2400RA) using a USB 2.0 interface.

Our JPEG 2000 solution will accelerate the compression time and deliver images with superior quality. While compression time will depend on the size of the image and the compression ratio, on average, JPEG 2000 hardware performs 4 to 6x faster than other JPEG2000 software solutions. Compression factors average 15:1 ratios compared to TIFF, and 3:1 ratio for JPEG with similar quality. These compression factors will greatly assist with image storage and archiving for preservation compliance.



KEY BENEFITS - JPEG 2000

- Smaller file size allows for larger storage space
- Compress files once – decompress many ways
- Flexible information progressions
- State-of-the-art compression efficiency
- Compressed domain editing
- Content not limited by rendering devices
- ISO/IEC 15444-1 and 15444-6 compliant
- 70% reduction in image file size as compared to standard JPEG
- Supported JPEG 2000 output file types (JPM, JP2, JPC, PDF and PDF/A)

KEY FEATURES – JPEG 2000

- Offers both lossy and lossless compression for storage, web and print
- A higher quality/size ratio than TIFF or JPEG
- Has the ability to deliver small files sizes
- Offers significantly higher error resilience
- File conversion using 3rd party software
- 4x to 6x times faster than software solution



Moving Knowledge from Books to Bytes

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