

The World's Premier scanning platform for film

The Eclipse® provides a complete package of hardware, software, training and support to provide the fastest throughput and highest quality digital images in the market today.

The Eclipse 16/35mm System includes:

- Scanner
- PC
- High Resolution Lens with LuminTec™ Lighting Technology
- NextStar PLUS Workflow Software Platform
- Optional Ribbon Storage Device (RSD)



The system can handle all of the challenging properties of roll film scanning including:

- Variable size documents and image positions
- Multiple film file formats
- Variable indexing to digital files
- Captures up to 3 levels of blips
- Enhancement of signatures and handwritten data on filmed images

Unique scanner features:

- Speeds up to 1000 ppm and beyond
- Ribbon scanning software for guaranteed image capture and detection
- Patented film transport (eliminates image distortion)
- Handles 1000' reels and blipped film
- Choice of scanner chassis
- Designed to minimize any impact on your internal networks



Specifications:

SCANNER SPEED:

Eclipse 1000 – 2:33 minutes per roll at 200 x 200 dpi (actual scanning resolution) / 24x

Eclipse 600 – 4:45 minutes per roll at 200 x 200 dpi (actual scanning resolution) / 24x

Eclipse 400 – 6:30 minutes per roll at 200 x 200 dpi (actual scanning resolution) / 24x

- High speed touchless rewind
- Pre-Scan film cleaning rollers (both sides)
- Patented transport carriage to prevent stretched images or damage to delicate film

NEXTSTAR PLUS SOFTWARE:

Scan > Detect > Audit > Index > QA > Output

- Reliability – no images are missed during scanning
- Modular and expandable for multiple QC workstations
- Automatic film classification and frame detection
- Post-scan frame detection allowing correction by audit operator of any errors before output
- Audit and re-audit / QA capability, along with exception routing
- Individual frame-by-frame post process image enhancement option if needed
- Insert / delete frames or images while maintaining file naming integrity
- Automatic exposure and gamma adjustment during setup and scanning
- Rotate, mirror, crop, deskew, despeckle and edge enhancement filters
- Regional Auto thresholding for bitonal images
- Independent image enhancement settings for each output image
- Multi-image output in different formats
- True optical resolution for all reduction ratios or DPI
- Capture and processing of images using uncompressed data to maximize image fidelity and OCR precision
- Tri-level blip detection and naming
- Flexible file naming and index file generation
- Standalone or domain workflow, process management, exception handling/routing and reporting

Optional – NextStar HD

- Includes all the features of NextStar software, and additionally can provide up to 12 bit output images for specialized applications, enabling even higher OCR accuracy or archival storage

RIBBON STORAGE DEVICE (RSD):

Preconfigured 8 TB Ribbon Storage Device for simultaneous output and capture

- Maximizes throughput speed and productivity
- 16, 36, or 48TB option available

OPTICS / CAMERA:

- Revolutionary LuminTec Stroboscopic light line illumination system
- 12 bit per pixel CCD array
- True gamma correction, flat field correction and auto focus
- High quality lens
- 8192 pixel CCD / optional 16384 pixel CCD

OS and HARDWARE:

- Windows 10, 64 bit OS
- Computing Platform capability suitable for 100% throughput of the scanner

FILM POLARITIES:

Positive, Negative, Mixed

REDUCTION RATIO:

The Eclipse can scan at any reduction ratio captured on film. Reduction Ratio is not a function of the scanner but is a function of the original Camera creating the film.

RESOLUTION:

Native optical Resolution without scaling the image:

Scanner Resolution on Film: up to 15500 DPI

At 24X Reduction Ratio: up to 640 DPI

At 48X Reduction Ratio: up to 320 DPI

DOCUMENT SIZES:

To E-size drawings at 200 DPI (optional 300 DPI) and oversize documents like oil well logs and EKGs (image must fit in memory and file format)

FILM SIZES:

16 and 35mm

FILM FORMATS:

Simplex, Duplex, Duo, Blipped / Unblipped and Mixed formats (and others)

FILM ORIENTATION:

Comic, Cine, mixed

FILM TYPES:

Vesicular, Blue and Black Diazo, Silver, Mixed (and others)

FILE FORMATS:

TIFF bitonal G3/G4, TIFF uncompressed, Multi-page TIFF, JPEG, CALS, PDF/A, Multi-page PDF, JPEG 2000 (others available on request)

PHYSICAL CHARACTERISTICS:

Height–28", Width–19", Depth–22" Weight – 75 lbs

OPTIONAL:

- 1000' reel Adapter
- 3M Cartridge adapter
- 16384 pixel camera

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