

## 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 Optional Internal or External (User Specified)
- High Resolution Lens with LuminTec™ Lighting Technology
- NextStar PLUS Workflow Software Platform
- Optional Digital Storage Server (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

### NEXSTAR 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, 24 or 36 TB option available

### OPTICS / CAMERA:

- Patented 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 12288 pixel CCD

### OS and HARDWARE:

- Windows XP or Windows 7, 32 or 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 (optional 24200)  
At 24X Reduction Ratio: up to 640 DPI (optional 1000)  
At 48X Reduction Ratio: up to 320 DPI (optional 500)

### 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  
12288 pixel camera

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