Eclipse® Microfilm Production Scanner
Convert With Confidence.

nextScan

Fastest Scanning Capabilities and Image Capture in the Industry.
Confident Image Capture. Produce high-resolution scans at up to 2,000 images per minute with one-of-a-kind line scan capture technology. Media is captured top-to-bottom, end-to-end, producing a true archival digital reproduction, while ensuring all data is secured.

Unmatched High-Resolution Images.
Confident Image Quality. Eclipse® creates superior digital images from even the most challenging source film. Proprietary lighting, LUMINTEC™ technology, nearly doubles native image resolution while high-precision optics capture raw detailed images, expanding the ability to see fine details from the original record.

Optimal Project Workflow Software.
Confident Project Managment. Streamline your conversion process with NextStarPlus® Software, designed to optimize workflow and minimize operator setup and QA. Unique NextStarPLUS® features and allow for simultaneous capture, index, audit, and output enabling optimal film processing performance. Operators can index and audit one roll of film while scanning the next.

Gentle on Delicate Film.
Confident Film Handling. Patented anti-tension film transport ensures perfect linearity while scanning and eliminates image distortion caused by external elements. This technology gently regulates film between the intake and outtake motors maintaining integrity of delicate film.

Confident Benefits
- Reliable High-Speed Microfilm Image Capture
- Military-Grade Image Processing
- High-Resolution Digital Images
- Gentle on Delicate Film
- Fully Configurable Project Workflow
- Best-in-Industry Warranty

Don't leave the fate of your archives to chance. Your microfilm contains priceless records that cannot be found anywhere else. These records deserve the best — a powerful high-performance system with advanced optics and precision line scan capture technology.

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Scanning Throughput Speeds

Benchmarks based on 200 DPI Scan Resolution, at 24x Reduction Ratio.
Higher scan speeds up to 2,000 PPM available under rental, lease, or contract.

Eclipse 1200 PPM

Rollfilm	2:16 Minutes Per Roll (16mm/95 ft. Roll)

Eclipse 800 PPM

Rollfilm	3:40 Minutes Per Roll (16mm/95 ft. Roll)

Eclipse 600 PPM

Rollfilm	4:54 Minutes Per Roll (16mm/95 ft. Roll)

*Scanning speeds presented are estimates of raw scan time only, and do not include load time. Exact scanning results are dependant on client's conversion parameters, the condition of the microforms, and network capabilities.

Contact us today to arrange a personalized demo.

208.514.4000
sales@nextscan.com

The Eclipse® Scanning Solution Includes:

• Scanner and Internal PC
• High Resolution Lens with LuminTec™ Lighting Technology
• NextStar PLUS Workflow Software Platform
• External Ribbon Storage Device (RSD) - Stores RAW Uncompressed Images Until Ready for Output

The System can Handle Unique Properties of Film, Scanning:

• Variable Size Documents and Image Positions
• Multiple Film File Formats
• Variable Indexing to Digitial Files
• Captures up to 3 Levels of Blips
• Enhancement of Signatures and Handwritten Data on Filmed Images

Unqiue Scanner Features:

• Pre-Scan Film Cleaning Rollers (Both Sides)
• Auto-Focus
• Patented Transport Carriage to Prevent Stretched Images or Damage to Delicate Film.
• Handles 1000' Reels and Blipped Film
• Designed to Minimize Impact on Your Internal Networks - Scans Directly to RSD via 10 GB Ethernet

Technical Specifications

OS and Hardware	Windows 10 64-bit OS *Computing platform capability suitable for 100% throughput of the scanner.*
Optics/Camera	LuminTec™ Strobocropic Illumination System Preconfigured 8k CMOS Line Scan Image Sensor (8,192 Pixel CCD Array) High Quality Defraction Limited Lens 8 or 12 Bit Output True Gamma Correction, Flat Field Correction, and Auto-Focus ***Optional** Best-in-Industry 16k CMOS Line Scan Image Sensor (16,384 Pixel CCD Array)*
Ribbon Storage Device (RSD)	Preconfigured with 8TB RSD for Simultaneous Output and Capture. • Maximizes Throughut Speed and Productivity • 16, 36, or 48 TB Option Available (Rack or Tower Option)
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 *Higher Resolutions Available with 16k Camera.

Physical Characteristics

Base	*Height - 28", Width - 19", Depth - 22", Weight - 75 lbs.*

Optional

1,000' Reel Adapter for Film, 3M Cartridge Adapter for Film, and a 16,384 Pixel Camera.

Scannable Media Types

Document Sizes	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, Formats, Polarities	16 and 35 mm Film Simplex, Duplex, Duo, Blipped/Unblipped, and Mixed formats Positive, Negative, Mixed
Film Types	Vesicular, Blue and Black Diazo, Silver, and Mixed Formats
Film Orientation	Comic, Cine, Mixed

Output File Formats

TIFF Bitonal G3/G4, TIFF Uncompressed, Multi-page TIFF, JPEG, CALS, PDF/A, Multi-page PDF, JPEG 2000, JPEG XR (Others Available Upon Request)