

eclipse

Eclipse™ Production Level Rollfilm Scanner

The **Eclipse** Production Level Rollfilm scanner **was designed for the demanding user.** Eclipse scans 16 and 35 mm microfilm for multiple applications, including **large scale projects that are time critical, cost sensitive** and require **superior image quality.**

Many times faster than other rollfilm scanners, Eclipse will **scan 300 pages per minute** and creates **grayscale and bitonal** images simultaneously without reduction of output speed. Designed to run **24 hours per day**, Eclipse boasts **20 second high speed rewind, auto focus** and **fast straight line film loading.** nextScan's exclusive **Adaptive Speed Control** optimizes scan speed by **automatically adjusting** for potential network bottlenecks.

Eclipse uses **superior camera technology** that produces incredible **speed, precision** and **uniform output** with less light. The use of **fiber optics eliminates hot spots** and uneven lighting, making images sharper with better edge definition. A 10 bit, **antiblooming camera array** enhances **image quality** and **protects** against over exposure. The **auto focus** feature and **film cleaning rollers** insure **optimal input quality.**

Deliver the job **on time and under budget** with the **lightning fast** and **affordable Eclipse.**

nextScan



Eclipse™ Specifications:

SPEED

A4, 200 dpi, 24x reduction:
 Bitonal 300 ppm (TIFF G4/G3)
 Grayscale 300 ppm (TIFF uncompressed or JPEG)
 Grayscale & Bitonal at the same time 300 ppm
 (600 ppm throughput)
 Adaptive Speed Control (20 ppm to 300 ppm)
 High speed rewind
 Pre-scan film cleaning (both sides)

SOFTWARE - Fusion™

Mono - Rotate, Mirror, Crop, Deskew
 Grayscale - Rotate, Mirror, Crop, Deskew
 nextAssist Wizard analyzes the image data and
 provides a base setup for the operator
 Independent image processing filters for each
 output image
 Realtime despeckle and edge enhancement filters
 Multi sub image output
 Multi image output in different formats
 True optical resolution – no software interpolation
 Tri level blip detection
 Leading and trailing edge detection
 Dual detection regions
 Fixed and proportional extraction
 Flexible file naming and index file generation
 Auto Thresholding
 Adaptive Speed Control

OPTICS/CAMERA

Linear light via fiber optics yields flat illumination source
 10 bit antiblooming CCD array to protect against
 over exposure
 True Gamma correction & Auto focus
 High Quality Lens
 8192 Pixel CCD

Operating Systems:

Windows XP Professional
 Latest Intel P4 CPU Speeds
 Large Ultra IDE hard drive
 10/100/1000 Ethernet controller

Film polarities: positive and negative

Reduction ratio: 7x to 50x

Document sizes: to E-size drawings at 200 dpi and
 oversize documents like oil well logs and EKGs

Film size: 16 and 35 mm

Film formats: Comic, Cine

Film types: Vesicular, Blue and Black Diazo, Silver

File formats: TIFF monochrome, TIFF uncompressed,
 Multi Page TIFF, JPEG, CALS, PDF and JPEG 2000

Physical characteristics: Weight: 34 kg,
 Height: 71,1 cm, Width: 48,3 cm, Depth: 55,9 cm

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SOFTWARE FUNCTIONALITY

Eclipse combined with the nextScan Fusion™ software was designed to reduce conversion cost by minimizing operator set up time and eliminating the need for rescans due to poor quality output.

Fusion uses a one window interface that is much simpler and intuitive than the others, just click on one of the four tabs for setup. Fusion's flexibility gives the Eclipse operator total control over the scanner setup options, resulting in superior quality output. Some of Fusion's unique functions:

- nextAssist Wizard analyzes the image data and provides a base setup for the operator.
- Filter setup performed in real time with no rescan of the image.
- Output grayscale and bitonal at the same time.
- Output multiple image types simultaneously during scanning such as grayscale, mono and thumbnails.
- Mirror, crop, deskew, rotate and 10 bit gamma correction.
- Dual detection bands dramatically improve detection of document edges on poor film.

Deliver the job on time and under budget with the lightning fast and affordable Eclipse production level rollfilm scanner from nextScan.

nextScan Eclipse is distributed exclusively by Kodak in selected markets.

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