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.



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
Prescan 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

Operating Systems:

8192 Pixel CCD

Windows XP Professional
Latest Intel P4 CPU Speeds
Large Ultra IDE hard drive
10/100/1000 Ethernet controller
Film polarities: positive and negative

D. J. F.

Reduction ratio: 7x to 50x **Document sizes:** to F-size drawing

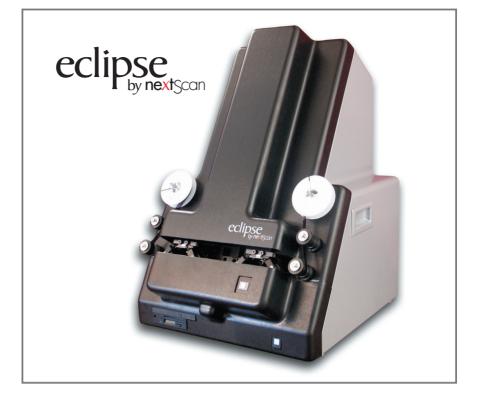
Document sizes: to E-size drawings at 200 dpi and oversize documents like oil well logs and EKGs

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 $^{\text{TM}}$ 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 rollfim scanner from nextScan.

nextScan Eclipse is distributed exclusively by Kodak in selected markets.

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