

ScanMaker

4

**High-performance, high-quality
scans from all your photos
and transparencies**



- **600 dpi optical resolution**
- **36-bit color depth**
- **DualMedia E.D.I.T. built-in**
- **8" x 14" scanning area for reflective originals**
- **8" x 10" scanning area for transparent originals**
- **Multiple format film holders**
- **IT-8 standard color target included**
- **DCR color calibration utility included**
- **Professional imaging software included**



35mm slide holder

35mm film-strip holder

4" x 5" transparency holder

6cm x 7cm film holder

All-purpose transparency holder

EDIT

**Emulsion
Direct
Imaging
Technology**



EMULSION DIRECT IMAGING TECHNOLOGY
Microtek's patented E.D.I.T. technology allows you to capture images directly from the emulsion surface of film originals without an interfering pane of glass. This results in distortion free images, diminished light refraction, and the elimination of "Newton rings".



Microtek's patented scanning technology enables users to scan reflective artwork and transparencies on independent scan beds within a single, integrated unit, increasing color consistency, scanning resolution and speed while decreasing mechanical complexity.



Microtek's optic and hardware design minimizes light "bounceback" whenever you scan, delivering images with sharper, more intense color.



Microtek's award-winning color calibration system greatly enhances the quality of scanned images and gives you the best results on the very first scan.



With Microtek's award-winning scanner controller you can make a range of important adjustments and see the results on screen before performing your final scan.

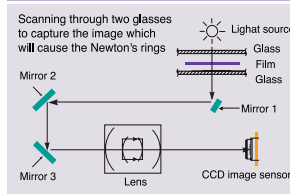
**For ensuring
the best quality,
Microtek develops
the most advanced
E.D.I.T. patented
technology.**

What is E.D.I.T. ?

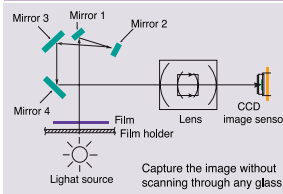
ScanMaker 4 is incorporated with Microtek's patented Emulsion Direct Imaging Technology (E.D.I.T. — U.S. patent 5,574,274). E.D.I.T. enables the scanner's CCD lens to read directly from the emulsion side

of the film without scanning through glass, eliminating the so-called Newton's Rings or distortions to the image caused by the glass itself. The scan routes of E.D.I.T. and non-E.D.I.T. (ordinary light adapter) for transparency are shown here :

Non-E.D.I.T. transparency scanning route



E.D.I.T. transparency scanning route



THE TECHNOLOGY OF BEING UNIQUE

MICROTEK ScanMaker 4

Professional Image Editing Software and OCR application

MetaCreation's Painter and Adobe's Photoshop Limited Edition are bundled with ScanMaker 5. No matter you want to proceed a professional image enhancement or to add special effects, the solutions are all here. Furthermore, OCR software is also included for scanning and converting pages of text into digital format for placing into word processing applications.

Powerful ScanWizardProDriver

ScanWizard Pro gives you complete control over the look and quality of images even before they are scanned:

Getting good results on the first try is easy with ScanWizard Pro, Microtek's scanning and image enhancement software. ScanWizard Pro displays real-time effects on side-by-side before and after previews of your images before you actually hit the Scan button delivering the best possible image data to your computer.

DCR Calibrator and Color Target

ScanMaker 4 bundles a full set of DCR calibrator and a Kodak Q-60R1 and Q-60E1 color targets for users to calibrate scanners for ensuring that scanned color is always the best, most consistent and accurate quality. DCR saves users the hassle of manually correcting color for each scanned image. Just select what you want to scan and click - DCR will do the rest for you.



Specifications

Media

Reflective and transparent originals

Image Sensor

Linear CCD array with cold cathode lamp

Scanning Modes:

36-bit color :

12-bits per RGB color. Approx. 68.7 billion colors.

24-bit color :

8-bits per RGB color. Approx. 16.7 billion colors.

12-bit Grayscale : 4096 shades of gray.

8-bit Grayscale : 256 shades of gray.

1-bit black and white; 64 halftone shades simulated.

Scan Frame

8" x 14" reflective or 8" x 10" transparency

Optical Resolution:

600 dpi horiz. x 1200 dpi vert.

Interpolated Resolution:

6400 dpi horiz. x 6400 dpi vert.

Scanning Speed

15 milliseconds per line of color
(speed measured at 1000 dpi)

Interface

ASPI-compliant SCSI interface card for PCs

(Adaptec card included); SCSI port for Macintosh

Voltage

AC 100V to 240V

Power Consumption

40watts

Size (LxWxH)

24" x 15.2" x 7" (620mm x 386mm x 177mm)

Weight

25.5lbs. (11.6kgs.)

Environment

Operating temperature : 10°C to 40°C (50 to 104 F)

Storage temperature : -10°C to 60°C (14 to 140 F)



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Better Images Through Innovation.

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