



KONICA MINOLTA

Powerful & Fast 35mm Film Scanner

DIMAGE Scan Elite 5400 II

**The Tonal Range and Color Depth of Film,
Captured with Digital Ease and Precision**



*New Quick Scan System
for a Faster Workflow*



42.200.000 pixels

dpi



<http://konicaminolta.com>

The essentials of imaging

Crisp, Clear 5400 dpi Resolution

The DiMAGE Scan Elite 5400 II boasts class-leading 5400 dpi resolution that transforms a single frame of 35mm film into more than 42.2 megapixels of rich, 16-bit color data. Designed specifically to meet the demands of people who are serious about image quality, it captures every detail and tonal nuance of the original, allowing you to produce stunningly beautiful large-format prints*.

* Up to 486 mm x 324 mm (19.1 in. x 12.8 in.) at 400 dpi, 972 mm x 648 mm (38.3 in. x 25.5 in.) at 200 dpi



5400
dpi



Digitize your entire film library!

- 1 Worried about how to store old slides and films?
- 2 With the DiMAGE Scan Elite 5400 II, scanning is fast and easy.
- 3 Crop, edit, and manipulate your images as much as you like.
- 4 Produce stunningly beautiful prints, photo gallery art, and CD / DVD archives — and share your images with others via the web or e-mail!



DAZZLING 5400 dpi RESOLUTION

Film Processing Technology

New Film Expert Algorithm

Camera & Scanner Technology

new New Film Expert Algorithm for Enhanced Color Fidelity

Scanning color negatives can be a tricky business, even for experts. But with the DiMAGE Scan Elite 5400 II, you can take advantage of a new Film Expert algorithm that draws on decades of Konica Minolta expertise in photofinishing and optical imaging technology. As a result, you can get consistently beautiful results without the hassle of manually adjusting scanner settings to match the different exposure characteristics and color balance of various types of negative film.

The DiMAGE Scan Elite 5400 II's 35mm film holder lets you capture 100% of every image.



Conventional 35mm film holders can result in unnecessary image clipping on all four sides.

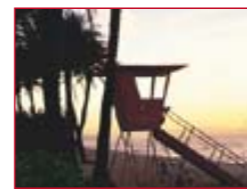


Edge-to-Edge Full-Frame Scanning

There's no need to compromise on scanning area when you're working with filmstrips, because the DiMAGE Scan Elite 5400 II offers edge-to-edge 24mm x 36mm scanning that captures 100% of every frame.

Multi-Sample Scanning for Rich Shadow Detail

Multi-sample scanning allows images to be scanned 2, 4, 8, or 16 times, significantly reducing random noise in shadow areas and revealing subtle tonal gradations that would otherwise be lost.



16-Bit A/D Conversion

16-bit analog-to-digital signal conversion and a wide, 4.8 dynamic range deliver over 65,000 gradations in each of the three RGB color channels. The result is smooth shading of color tones, with excellent shadow and highlight detail.

Precise Focus Control

Proprietary Konica Minolta film grain detection technology assures accurate autofocus-ing even on low-contrast images, with an improved AF drive system for enhanced speed. In addition, a Point AF function and a Manual Focus Dial are provided for those special situations where you want to exercise maximum control over image sharpness.

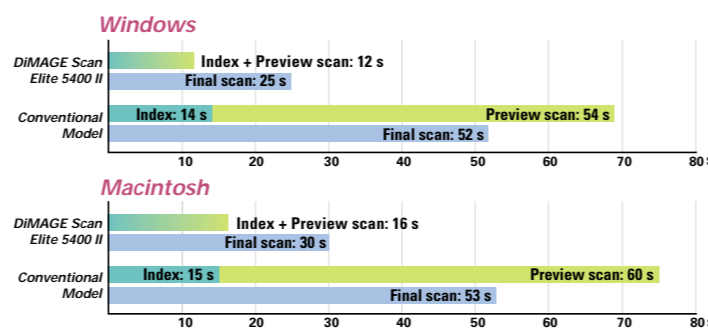
Manual Focus Dial for precise adjustment.

Quick Scan System SPEED & EFFICIENCY

High-Speed Focusing & Scanning

An improved drive mechanism, optimized internal processing, and proprietary optics contribute to significantly faster setup, scanning, and autofocusing. Scanning is particularly fast and now takes only about 25 seconds* per frame.

■ Scan Time (At 5400 dpi, image file size 121MB: Index + Preview scan for 6 frames, final scan for 1 frame)



* Based on Konica Minolta testing in Windows environments. Scanning speed in Macintosh environments is approximately 30 seconds. For further information about test conditions, please refer to the notes on the back cover.

new Auto-Loading Index and High-Speed Preview for Faster Throughput

Automatic index scanning begins as soon as you load the film holder, providing a quick index preview of all frames loaded — up to 4 frames with the slide mount holder, and up to 6 frames with the 35mm film holder. Enlarged previews can be instantly displayed in the Preview window by clicking on any of the images displayed in the Index Palette!



Enlarged previews can be instantly displayed with point-and-click ease — the annoying wait for a preview scan has been eliminated!

Waiting time is minimized because automatic index and preview scanning begins as soon as you load the slide or 35mm film holder.

Easy Film & Slide Handling

■ 35mm Film Holder

A convenient holder for 6-frame negative or positive filmstrips. Film is securely held to ensure maximum flatness for focusing accuracy.



■ Slide Mount Holder

A 4-frame holder for 35mm mounted slides. The slide in the end-most position can be replaced without removing the holder from the scanner, making it easy to perform additional scans.



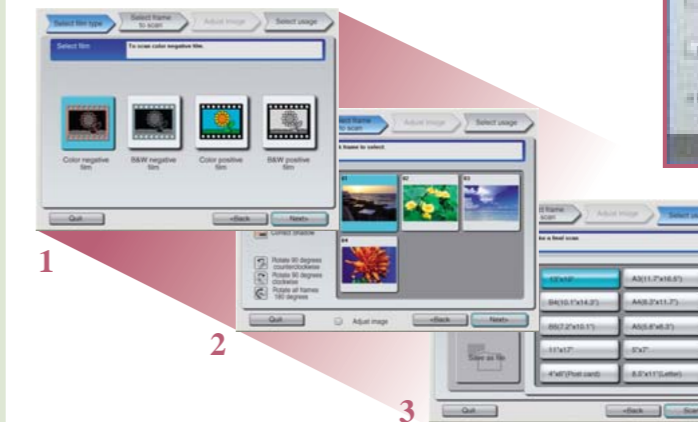
Press the Quick Scan Button to Begin

A quick press of the Quick Scan button automatically calls up the DiMAGE Scan Launcher dialog, which offers you a choice of Easy Scan, DiMAGE Scan, and Batch Scan utilities.



SUPER-EASY OPERATION

For fast, easy scans



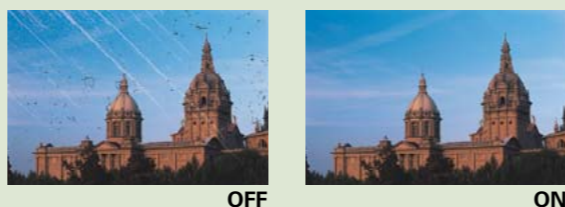
For greater creative control



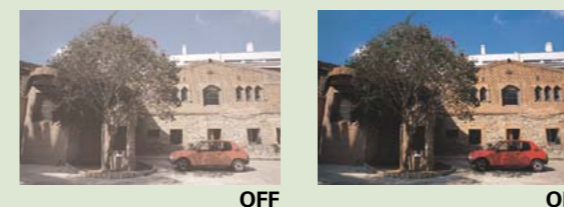
Hassle-Free Image Correction

digital ICE⁴™ Technology
A set of four powerful image enhancement tools makes it easy to clean up and correct imperfections as images are being scanned. The result is an effortless and dramatic improvement in image quality.

digital ICE™ Technology
Dust & Scratch Removal
Identifies and removes dust, scratches, and other surface defects without blurring or softening details in the underlying image.



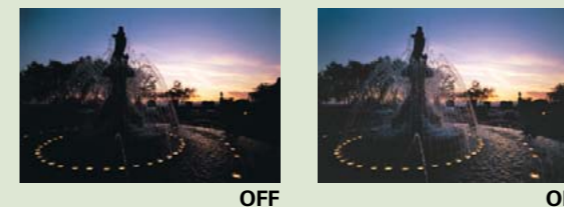
digital ROC™ Technology
Color Restoration
Uses advanced dye signature analysis to identify and restore faded colors on older film and slide images.



digital GEM™ Technology
Film Grain Management
Analyzes film emulsion patterns and reduces graininess while preserving image quality, color, and sharpness.



digital SHO™ Technology
Shadow & Highlight Optimization
Automatically optimizes contrast and exposure to reveal additional image detail in areas of deep shadow or extreme highlight.



Pixel Polish Image Enhancement

A proprietary Konica Minolta technology that optimizes brightness, contrast and color to suit the scene. Both Auto and Custom settings are available.



Beautiful Scans in 3 Easy Steps

The Easy Scan utility features a simplified interface that makes it easy for anyone to capture beautiful scans in three easy steps. (1) Select the type of film you are scanning — negative or positive (slides), color or black & white. (2) From the Index Preview, select the images you want to scan. (3) Specify how you intend to use the image — the software will automatically calculate the optimum resolution and file size for you.

Advanced Image Correction Tools

The DiMAGE Scan utility lets you access advanced image processing tools, so experienced users can exercise powerful control over final scan quality. In addition, the Batch Scan utility lets you apply the same settings to a large number of images, greatly speeding up your workflow during high-volume scanning.

Other Convenient Features

- A Hi-Speed USB 2.0 interface assures fast transfer of image data. USB 1.1 is also supported.
- A Master Setup function allows you to save a combination of image correction, Digital ICE⁴™, and other settings so that they can be quickly reapplied later. The Master Setup function is available in both the DiMAGE Scan utility and the Batch Scan utility.

* For further information about Digital ICE⁴™ and Pixel Polish, please refer to the notes on the back cover.

ADVANTAGES OVER FLATBED SCANNERS *In so many ways, the DiIMAGE Scan Elite 5400 II is simply better.*

- 5400 dpi optical resolution produces greater detail
- Accurate, in-focus scans if your film is slightly curved
- Faster scan times owing to a brighter light source
- Special holders to protect your films
- More sophisticated image correction
- Smaller footprint



SPECIFICATIONS

Film type	35mm film (color / black & white, negative / positive)
Image sensor	3-line color CCD, 5340 pixels per line, primary-color filter
Scan method	Moving film, fixed sensor, single-pass scan
Optical resolution	5400 dpi
Scan size (max.)	25.06 x 37.25 mm (35mm Film Holder scan area: 24 x 36 mm)
No. of pixel input (max.)	5328 x 7920 pixels
A/D conversion	16 bit
Output	8 bit and 16 bit per color channel
Dynamic range	4.8 (computed value)
Light source	White LED
Focus	Autofocus and Manual focus (motor drive / manual), Center / Spot focus area
Interface	USB 2.0 (USB 1.1 compatible)
Power requirements	North America, Taiwan and Japan: 100–120 Volts AC, 50 / 60 Hz Continental Europe, Oceania, Asia (except Taiwan, Japan, Hong Kong and China): 200–240 Volts AC, 50 / 60 Hz UK, Hong Kong and China: 200–240 Volts AC, 50 Hz Max. 20W
Power consumption	
Dimensions (W x H x D)	70 mm x 165 mm x 345 mm / 2.8 in. x 6.5 in. x 13.6 in.
Weight	Approx. 1.5 kg / 3.3 lb.
Standard accessories	35mm Film Holder FH-M20, Slide Mount Holder SH-M20, USB Cable UC-2 (USB 2.0 compatible), AC Adapter (AC-U26 for North America, Taiwan and Japan / AC-U27 for Continental Europe and Singapore / AC-U28 for UK and Hong Kong / AC-U29 for China / AC-U30 for Australia), Reset Tool RT-M10, CD-ROM for DiIMAGE Scan Elite 5400 II, Adobe Photoshop Elements 2.0

Specifications and accessories are based on the information available at the time of printing, and are subject to change without notice.

For the latest information, please visit <http://konicaminolta.com/dimage>

Specification figures are based on standard Konica Minolta testing methods.

■ Scan Time Test Conditions

35mm positive film scanned at 5400 dpi and 8-bit color depth, without cropping, image processing, or color matching, and with Autoexposure, Autofocus, and Multi-sample scanning OFF.

- Negative film takes longer to scan than positive film.
 - Scanning time increases when Digital ICE™ or color matching functions are used.
 - Scanning time varies according to image data volume and PC specifications such as CPU clock speed and memory capacity.
- <Windows> OS: Windows XP Professional, CPU: Pentium 4, 3.2 GHz, RAM: 1 GB, HD free space: 69 GB, USB 2.0 port built-in, Application: Photoshop 7.0.1 with 80% memory allocated to the software
- <Macintosh> OS: Mac OS X v10.3.6, CPU: PowerPC G5 Dual 2 GHz, RAM: 1.5 GB, HD free space: 61 GB, USB 2.0 port built-in, Application: Photoshop 7.0.1 with 80% memory allocated to the software

■ Notes on Digital ICE™ and Pixel Polish

- Digital ICE™ tools cannot be used with black & white film except Kodak Select Black & White 400, Kodak T400CN, and Ilford XP2 Super films that have been color processed.
- Digital ICE™ is not recommended for use with Kodachrome film.
- Digital SHO™ and Pixel Polish can only be applied to images that have 8-bit color depth.

PC SYSTEM REQUIREMENTS

	IBM PC/AT compatible computers *1	Macintosh *1
Interface	USB 2.0 / 1.1	USB 2.0 / 1.1
CPU *2	Pentium Processor 166 MHz or later	PowerPC G3 or later
Operating system	Windows 98, Windows 98 Second Edition, Windows 2000 Professional, Windows Me, Windows XP Professional, Windows XP Home Edition	Mac OS 9.2.2, Mac OS X v10.1.3 – 10.1.5, v10.2.1 – 10.2.8, v10.3 – 10.3.6
RAM *2	128 MB or more	128 MB or more (free memory space excluding memory used for application software and OS)
Monitor	800 x 600 pixels capable of displaying High Color (16 bit), 1024 x 768 pixels or larger recommended	800 x 600 pixels capable of displaying more than 32,000 colors, 1024 x 768 pixels or larger recommended
Hard Disk Space	600 MB or more on the startup disk	600 MB or more on the startup disk
Tested Application*3	Adobe Photoshop 6.0.1, 7.0.1, CS (8.0.1), Adobe Photoshop Elements 2.0, Paint Shop Pro 8, Corel PHOTO-PAINT 11	Adobe Photoshop 6.0.1, 7.0.1, CS (8.0.1), Adobe Photoshop Elements 2.0
Recommended Board *3	USB port equipped in PC as standard. Adaptec, Inc.: USB2 Connect 3100, USB2 Connect 5100, Duo Connect Belkin: Hi-speed USB 2.0 5-Port PCI Card, USB 2.0 Hi-Speed 3-Port Low Profile PCI Card	USB port equipped in PC as standard. Belkin: Hi-speed USB 2.0 5-Port PCI Card, USB 2.0 Hi-Speed 3-Port Low Profile PCI Card

*1 Not compatible with Fast User Switching (Windows XP and Mac OS X v10.3).

*2 Necessary to meet the requirements recommended for use with the OS.

*3 Operation must be guaranteed by the manufacturers to work with the OS. For details, contact the respective manufacturer.

For more compatibility information, please visit:

North America: <http://kmpi.konicaminolta.us> (English edition)

Europe: <http://www.konicaminoltasupport.com> (English / German / French edition)

■ CPU, RAM, and hard disk space requirements with simultaneous use of Digital ICE⁴ and 16-bit color depth are as follows*:

<Windows>

CPU: Pentium 166MHz or later, Pentium III or later recommended. / RAM: 256 MB or more, 512 MB or more recommended. / Hard Disk Space (Startup disk): 3 GB or more, 6 GB or more recommended.

<Macintosh>

CPU: PowerPC G3 or later, PowerPC G4 or later recommended. / RAM: 320 MB or more, 512 MB or more recommended. / Hard Disk Space (Startup disk): 3 GB or more, 6 GB or more recommended.

* When only Pixel Polish is used, requirements are as follows:

<Windows> Hard Disk Space (Startup disk): 1.2 GB or more, 2 GB or more recommended.

<Macintosh> RAM: 256 MB or more recommended. / Hard Disk Space (Startup disk): 1.2 GB or more, 2 GB or more recommended.

- To confirm the compatibility of this scanner with products not made by Konica Minolta (e.g., OS, interface boards, application software), check the respective instruction manual, or contact the manufacturer.
- CD-ROM drive is required for software installation.
- Please note that error-free operation is not guaranteed for any of the systems recommended.
- Images (except for product photos) are simulated for design purposes.



CENTURIA SUPER

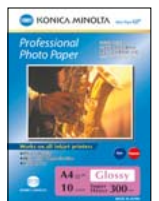
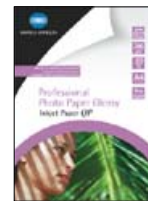
Konica Minolta Film

The perfect film to choose for superior results. Available in ISO 100, 200, 400, 800, and 1600 to suit a wide range of shooting situations.

Konica Minolta Inkjet Paper

Bringing you perfect photo quality prints for all digital images captured with Konica Minolta film scanners.

* Package design may vary according to region.



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