SPECIFICATIONS

Film type* 35mm film / APS film
* Film: color / black and white, negative / positive available

Optical resolution 3200 dpi

Scan size & input pixels (max.) 35mm film: 24.76 x 37.14mm, 3120 x 4680 pixels
APS film: 17.33 x 30.09 mm, 2184 x 3792 pixels

Scan method Moving film, fixed sensor, single-pass scan

Image Sensor RGB 3-LINE CCD, 5340 pixels / line

Multi-sample scanning 2x, 4x, 8x, 16x, OFF

Continuous scan 35mm Film Holder: Max. 6 frames
Slide Mount Holder: Max. 4 frames

A/D conversion 16 bits

Output data 8 bits, 16 bits (per color channel)

Dynamic range 4.8 (computed)

Scan time (approx.)* (Image file size: 41 MB)

	Windows (USB 2.0)	Macintosh (USB 2.0)
Index (6 frames)	11 seconds	11 seconds
Pre-scan	5 seconds	8 seconds
Final scan	21 seconds	21 seconds

(AF, image compensation functions, color matching, and AE ; OFF / at 3200 dpi & 8-bit input / with 35 mm positive film without trimming). Data transfer time not included. Scanning times will be longer than listed when any of the following are used: negative film, Auto Dust Brush, color matching. Scanning times will also vary between PC operating environments.

*Measuring Conditions
<Windows> OS: Windows XP Professional ver.2002, CPU: Pentium 4 / 3.2 GHz, RAM: 1 GB, HD free space: 86GB, USB board built-in, Application: Adobe Photoshop 7.0.1, Memory size of application: 80%
<Macintosh> OS: Mac OS X v10.3.1, CPU: Power Mac G5 / 1.8GHz, RAM: 512 MB, HD free space: 16 GB, USB board built-in, Application: Adobe Photoshop 7.0, Memory size of application: 80%

Light source 3-wave, cold-cathode fluorescent lamp

Focus Autofocus (Point AF available), Manual focus

Interface USB 2.0 (USB 1.1 compatible)

Additional feature Digital Grain Dissolver, Pixel Polish, Quick Scan button

Power requirements North America, Taiwan & Japan: 100—120 Volts AC, 50 / 60 Hz
Continental Europe, Oceania & Asia (except for Taiwan, Japan, Hong Kong & China): 200—240 Volts AC, 50 / 60 Hz, England & Hong Kong & China: 200—240 Volts AC, 50 Hz

Power consumption Max. 30 W

Dimensions (WxHxD) 145 x 100 x 325 mm / 5-11/16 x 3-15/16 x 12-13/16 inches

Weight Approx. 1.5 kg / 52-15/16 ounces

Standard accessories 35mm Film Holder FH-U2, Slide Mount Holder SH-U1, USB Cable UC-2 (USB 2.0 compatible), AC Adapter (AC-U25 for North America, Taiwan and Japan / AC-U23 for England & China (Hong Kong) / AC-U24 for China / AC-U22 for other areas), CD-ROM for DiMAGE Scan Dual IV, Adobe Photoshop Elements 2.0

Specification figures are based on Konica Minolta's standard test method.

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.net/dimage**

PC SYSTEM REQUIREMENTS

	IBM PC/AT compatible	Macintosh
CPU*1	Pentium 166 MHz or later*3	PowerPC G3, or later*3
Operating system	Windows 98, Windows 98 Second Edition, Windows 2000 Professional, Windows Me, Windows XP Professional, Windows XP Home Edition	Mac OS 8.6 – Mac OS 9.2.2, Mac OS X v10.1.3 – 10.1.5 Mac OS X v10.2.1 – 10.2.8, 10.3 – 10.3.1
RAM*1	64 MB or larger (actual memory capacity)*3	64 MB free memory or larger (excluding memory used for application software and OS)*3
HD free space	Approx. 300 MB or larger*3	Approx. 300 MB or larger*3
Screen size	1,024 x 768 pixels or larger recommended, 800 x 600 pixels possible	1,024 x 768 pixels or larger recommended, 800 x 600 pixels possible
No. of colors	16-bit or greater	32,000 colors or more
Tested applications*2	Adobe Photoshop v.6.0.1 / 7.0.1, Adobe Photoshop Elements 2.0 Paint Shop Pro 8.0, Corel Photo Paint 11.0	Adobe Photoshop v.6.0.1 / 7.0.1, Adobe Photoshop Elements 2.0
Recommended interface boards*2	USB port equipped in PC as standard: Adaptec: USB2connect 3100, USB2connect 5100, DuoConnect Belkin: Hi-speed USB2.0 5-port PCI Card, USB2.0 Hi-speed 2-port PCI Card	USB port equipped in Macintosh as standard

*1 Necessary to meet the requirements recommended for use with the OS.
*2 Operation must be guaranteed by the manufacturers when used with the OS. For details, please ask their respective manufacturers.
*3 CPU, RAM, and hard-disc space requirements with 16-bit color depth and Auto Dust Brush are as follows:
<Windows> CPU: Pentium 166 MHz or later (Pentium III or later recommended) / RAM: 128 MB actual memory or larger (256 MB or larger recommended) / HD free space: Approx. 1.2 GB or larger (approx. 2 GB or larger recommended)
<Macintosh> CPU: PowerPC G3 or later (PowerPC G4 or later recommended) / RAM: 128 MB free memory or larger (excluding memory used for application software and OS. 256 MB or larger recommended) / HD free space: Approx. 1.2 GB or larger (approx. 2 GB or larger recommended)

To confirm the compatibility of this scanner with products not made by Konica Minolta (e.g., OS, interface boards, application software), please check their respective instruction manuals or consult 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 are simulated for design purposes.

Konica Minolta Camera, Inc. 3-91, Daisennishimachi, Sakai, Osaka 590-8551, Japan

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KONICA MINOLTA

3,200dpi Film Scanner for 35mm/APS

DiMAGE Scan Dual IV

14,600,000 pixels 16-bit A/D

HI-SPEED CERTIFIED USB

Superior Resolution & Optics to Bring Out the Best in Your Film

http://konicaminolta.net

The essentials of imaging

The Higher Standard That Your Film Demands

Discover the Quality Only a Film Scanner Can Offer

3200 dpi 16-bit A/D

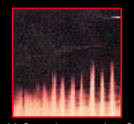
■ Dedicated technology providing genuine 3,200 dpi resolution for film scans

The DiMAGE Scan Dual IV offers a maximum optical resolution of 3,200 dpi (approx. 14.6 million pixels) for 35mm and Advanced Photo System film. It is the product of Konica Minolta expertise in optical equipment, loaded with dedicated technology for obtaining beautiful, detail-rich scans from a film area that's only 24mm x 36mm at most. This technology includes a high-performance 3-line color CCD, an exclusive lens system, an ultra-fine drive mechanism, and high-quality autofocusing. In short, a combination that realizes the true power of 3,200 dpi resolution for your treasured film images. You'll be able to make high-quality print enlargements up to approx. 42 cm x 30 cm (16.5 inches x 11.8 inches) at 250 dpi inkjet output.

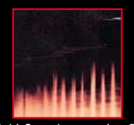
Specialized optics of the DiMAGE Scan Dual IV

■ Rich shadow area reproduction made clearer through multi-sample scanning

To prevent dark area noise, you can set the scanner to extract more information from your film by sampling it 2, 4, 8, or 16 times. This feature makes the most of the rich gradations produced through 16-bit A/D conversion, and leads to smoother and clearer scans as a result.



Multi-Sample scanning OFF



Multi-Sample scanning ON

■ Scan the entire area of the 35mm film frame

A conventional film holder, such as those included with flatbeds, will often obstruct the borders of the 35mm frame. But why settle for less than the entire image? The DiMAGE Scan Dual IV comes equipped with a specially designed 35mm Film Holder that allows you to scan the frame from edge to edge.

Full frame coverage by the DiMAGE Scan Dual IV

Reduced coverage of conventional film holders

■ Grain Dissolver for smoother scans

If you use high scanning resolution or high-speed film, graininess might become an issue. But thanks to Grain Dissolver, you'll be able to reduce this effect and get smooth, high-quality scans.

Grain Dissolver OFF

Grain Dissolver ON

■ Fast and accurate autofocusing, plus flexible focus control

An exclusive film grain detection method delivers fast and accurate autofocusing, even with low-contrast images. In addition, when you want to adjust focusing on a specific part of the film image, you can use Point Focus, which has both automatic and manual focusing options.

Further advantages of a dedicated film scanner over flatbeds

- Accurate, in-focus scans if your film is slightly curved
- Faster scan times owing to a brighter light source
- Special holders to protect your film, simplify loading
- Takes up less space on your desktop

■ Specialized film holders included for better handling

The 35mm Film Holder holds down your filmstrip securely on all sides, ensuring better focusing accuracy during the scan. This holder accepts filmstrips up to 6 frames long, and is designed so that the entire image on each frame can be scanned. Also supplied with the scanner is the Slide Mount Holder, which holds up to 4 mounted slides (35mm or Advanced Photo System film).

35mm Film Holder

Slide Mount Holder

APS Adapter (option)

QUICK & EASY IMAGE CORRECTION

■ Pixel Polish, an automatic solution for various types of correction needs

Pixel Polish does a fantastic job of restoring film images that have faded with time. Also, it optimizes images that suffer from over or under-exposure, backlighting, color casting, and more. You can select the type of compensation to apply, or have Pixel Polish detect the problem and fix it automatically.

Pixel Polish OFF

Pixel Polish ON

■ Improved dust removal from Auto Dust Brush

Even after you use a dust blower, there may still be dust on your film…and it will be obvious in the scan. Auto Dust Brush, however, quickly cleans up your images, saving you the time and trouble of manual editing. What's more, a separate plug-in version of Auto Dust Brush is included for Adobe Photoshop and Adobe Photoshop Elements.* This plug-in lets you perform post-scan dust removal, select the area of dust removal, preview results, and adjust parameters.

Auto Dust Brush OFF

Auto Dust Brush ON

* Compatible with Adobe Photoshop 6.0.1 and 7.0.1, Adobe Photoshop Elements 2.0.

EFFICIENT FROM START TO FINISH

■ Just press SCAN to begin

Once you've loaded your film, simply push the Quick Scan button and a software menu will appear on-screen. You can then choose the software that best fits your needs for that session: quick and easy printing, high-volume scanning, and more.

■ Versatile utility software with easy navigation

The Easy Scan Utility is great for first-time users, offering a step-by-step guide to scan for e-mail, websites, large-size prints, and other uses. New functions, such as full-screen print preview and automatic startup of your printer driver, further enhance ease of use. Also included are the Standard Utility for making advanced settings, and the Batch Scanning Utility for scanning multiple frames with the same settings—ideal for digital archiving.

■ USB 2.0 Hi-Speed for rapid data transfer

Files from film scans can get very large, so you need a fast interface like USB 2.0, which is faster than USB 1.1. Windows and Macintosh computers that have USB 2.0 as a standard interface are supported, as is USB 1.1.