

MINOLTA

The essentials of imaging

www.minolta.com

Hi-Quality 35 mm / APS Film Scanner

DIMAGE Scan Dual III

- 2,820dpi for incredible detail
- Highly refined 16-bit colour input
- Accurate reproduction of positive & negative film
- Automatic image correction with Auto Dust Brush and Pixel Polish
- Hi-Speed USB 2.0 & compatibility with USB 1.1
- Convenient batch scanning
- High-precision autofocus system



*Enter a New Realm of Digital Imaging
with Spectacular Film Scans*

www.dimage.minolta.com

■ Smoother gradations through 16-bit A/D conversion

With the ability to identify over 65,000 gradations in each of its colour channels (RGB), the DiMAGE Scan Dual III can capture the essence of your film source. It generates digital images with ultra-smooth gradations and shadow area detail that can't be detected by less refined 12-bit processing. Additional support for accurate colour reproduction comes from the scanner's wide 4.8 dynamic range.

■ Multi-sample scanning for clearer scans

Random noise in the dark area of an image can be suppressed by setting the unit to sample your film a number of times during scanning. This extra information leads to clearer scans.



▼ 12-bit A/D



16-bit A/D

■ Incredibly detailed 2,820dpi images

Featuring optical resolution of up to 2,820dpi, the DiMAGE Scan Dual III delivers detail-rich images for practically any application. Photos scanned for Web pages or electronic photo albums can be displayed with razor-sharp clarity. And you'll be able to extract plenty of data for creative image editing. High scanning resolution is also a must for making high-quality print enlargements.



2,820dpi

■ Exceptional precision from Minolta's exclusive focusing system

To ensure the sharpness that's crucial for high image quality, the DiMAGE Scan Dual III is equipped with sophisticated autofocus technology. This system offers fast and accurate focus adjustment with a wide range of film images, including low-contrast ones. Other focusing options are Point AF and manual focus adjustment in ± 200 steps.

■ Accurate negative-to-positive conversion

You can get great scans from negative film thanks to an advanced conversion process. Colours are converted with optimum fidelity to the images captured on your negatives.

16-bit A/D

Spectacular Image Quality



Create Superb Digital Images from All of Your Film and Slides



Fast & User-Friendly Scanning

■ Automatic dust removal



Even if you use a dust blower, small dust particles might remain on your film...and you'll notice this in your image data. But the DiMAGE Scan Dual III won't let you down. Its handy Auto Dust Brush function uses software processing to quickly and automatically clean your image. That saves you the time and trouble of doing this tedious task with image editing software.

■ Rapid data transfer with USB 2.0

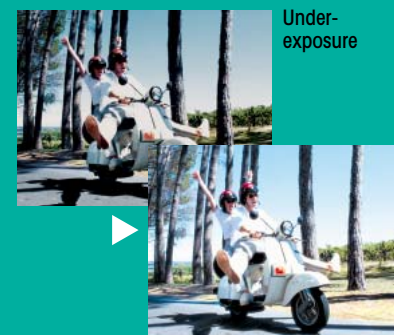
The USB 2.0 interface gives you a fast way of transferring scan data to your hard drive, and has the added convenience of Plug & Play. USB 1.1 is also supported.

Windows	USB 2.0	USB 1.1
Final Scan	30 seconds	42 seconds

Scanning times are approximate.
Scan conditions: 35mm positive film, 1 frame at 2,820dpi.
Mac OS: USB 1.1 only.

■ Pixel Polish for automatic colour correction

Perhaps the colours of your old films are a little faded. Or maybe certain hues don't look the way they should. Minolta's Pixel Polish software provides an instant solution to these and other problems. It can automatically reconstruct lost colour, fix colour casting, and adjust overall brightness.



■ Safe, quick film loading for batch scans

The film holders, which can be easily set without fear of fingerprints, are designed to protect your film from all sides. Film loading is automatic, and you can load up to 6 frames (film sleeve) or 4 mounted slides for continuous batch scanning.

■ Easy Scan Utility & Custom Wizard



The Easy Scan Utility offers a menu of different end uses for one-step scan settings. Another interface, the Custom Wizard, displays controls for each step of the scanning process, from batch scanning to image adjustment. Use it to access histogram, tone curve, and other compensation tools.

Advantages over Flatbed Scanners

When it comes to scanning film or slides, the DiMAGE Scan Dual III is simply better!

- Greater focusing accuracy from specialised optics
- Higher optical resolution, which produces more detail
- Faster overall scan times due to brighter film illumination
- Safer film handling with specially designed holders
- A more sophisticated range of image correction software
- A smaller, space-saving footprint



SPECIFICATIONS

Film type*	35mm film Advanced Photo System film (with the optional APS Adapter) * Film: colour / B & W, negative / positive available
Optical resolution	2,820 dpi
Scan size & input pixels (max.)	35mm film: 24.21 x 36.32 mm, 2,688 x 4,032 pixels Advanced Photo System film: 17.29 x 29.98 mm, 1,920 x 3,328 pixels
Scan method	Fixed-film, single-pass scan
Sensor	3-line colour CCD, 2,700 pixels / line, primary colour filter
Multi-sample scanning	2X, 4X, 8X, 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 colour channel)
Dynamic range	4.8
Scan time (approx.)	(AF off, at 2,820 dpi with positive film) (Scan time will be longer with negative film)

	Windows (USB 2.0)		Macintosh (USB 1.1)	
	Pre-scan	Final scan	Pre-scan	Final scan
35mm film	5 s	30 s	6 s	48 s
APS film	6 s	27 s	7 s	32 s

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	Auto Dust Brush, Pixel Polish

Power requirements	Continental Europe, Oceania, and Asia (except for Taiwan, Japan and Hong Kong): 200–240 Volts AC, 50 / 60 Hz England and Hong Kong: 200–240 Volts AC, 50 Hz North America, Taiwan and Japan: 100–120 Volts AC, 50 / 60 Hz
Power Consumption	Max. 30W
Dimensions (WxHxD)	145 x 100 x 320 mm
Weight	Approx. 1.5 kg
Standard accessories	35mm Film Holder FH-U1, Slide Mount Holder SH-U1, USB Cable UC-2 (USB 2.0 compatible), AC Adapter (AC-U21 for North America, Taiwan and Japan / AC-U23 for England and Hong Kong / AC-U22 for other areas), CD-ROM for DiIMAGE Scan Dual III, Photoshop Elements (not compatible with Mac OS X)
Optional accessories	APS Adapter AD-10

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



35mm Film Holder



Slide Mount Holder



Advanced Photo System Adapter (optional)

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 (incl. Windows SE), Windows 2000 Professional, Windows Me, Windows XP	Mac OS 8.6—Mac OS 9.2.2, Mac OS X 10.1.3—10.1.5
RAM*1	64 MB or larger (actual memory capacity)*3	64 MB or larger (excl. memory used for application software and OS)*3
HD free space	Approx. 100 MB or larger*3	Approx. 100 MB or larger*3
Screen size	1,024 x 768 pixels or larger recommended, 640 x 480 pixels possible	1,024 x 768 pixels or larger recommended, 640 x 480 pixels possible
No. of colours	16-bit or greater	32,000 colours or more
Tested applications*2	Adobe Photoshop 5.5 / 6.0.1 / 7.0, Adobe Photoshop Elements, Paint Shop Pro 7, Corel PHOTO-PAINT 10.0	Adobe Photoshop 5.5 / 6.0.1 / 7.0, Adobe Photoshop Elements
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 PC 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 colour 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. 500 MB or larger (approx. 1 GB or larger recommended)
<Macintosh> CPU: PowerPC G3 or later (PowerPC G4 or later recommended) / RAM: 128 MB free memory or larger (256 MB or larger recommended) / HD free space: Approx. 500 MB or larger (approx. 1 GB or larger recommended)

More compatibility information (in English/French/German) at www.minoltaeurope.com/pe/digital/languages_stage.html

To confirm the compatibility of this scanner with products not made by 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.

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 www.dimage.minolta.com

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