

DiMAGE Scan Elite II

Technical Specifications

* with optional APS Adapter AD-10

Film type

35mm: Color/black and white, Negative/positive
Advanced Photo System:* Color/black and white, Negative/positive

Maximum input resolution:

2820dpi

Maximum scan size:

35mm film: 24.21 x 36.32 mm
Advanced Photo System:* 17.29 x 29.98 mm

Maximum input pixels:

35mm film: 2,688 x 4,032
Advanced Photo System:* 1,920 x 3,328

Scan method:

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

Sensor type:

3-line color CCD

Number of pixels:

2,700 pixels per line

Filter:

RGB filter

Multi-sample scanning:

2X, 4X, 8X, 16X, Off

Continuous scan:

35mm-film holder: 6 frames (max.)
Slide mount holder: 4 frames (max.)

A/D conversion:

16 bits

Output data:

8 bits, 16 bits (per color channel)

Dynamic range:

4.8

Scan time:

Approximate time with positive film, 2820 dpi input resolution, 8-bit output color depth, no Digital ICE³, no cropping, no autoexposure, no color matching:

† Scanning time will increase when using any of the Digital ICE³.

Macintosh:

	Pre-scan	Final scan	Index scan (per frame)
35mm film:	7 s	33 s	7 s
Advanced Photo System film:*	8 s	29 s	7 s

System environment:
CPU: PowerPC G4 533 MHz
RAM: 512MB
Hard disk space: 35GB
Operating system: Mac OS 9.1
Application: Adobe Photoshop 6.0
Memory allocated to application: 380MB
Interface: FireWire (IEEE 1394) as standard

Windows:	Pre-scan	Final scan	Index scan (per frame)
35mm film:	7 s	33 s	7 s
Advanced Photo System film:*	7 s	28 s	7 s

System environment:

CPU: Pentium IV 1.5 GHz

RAM: 512 MB

Hard disk space: 630 MB

Operating system: Windows 2000 Professional

Application: Adobe Photoshop 6.0

Memory allocated to application: 400 MB

Interface: Adaptec AFW-4300

PC interface:

USB 1.1: USB 4P x 1

IEEE 1394 (FireWire): IEEE 1394 6p x 1

Focus:

Autofocus (Point AF available), Manual focus

Light source:

Cold-cathode fluorescent tube

Power requirements:

Voltage: 100-240V AC

Frequency: 50/60Hz

Maximum power consumption:

20W

Dimensions:

145(W) x 100(H) x 325(D) mm

Weight (Scanning unit only):

1.5kg (approx.)

Standard accessories:

35mm-film Holder FH-U1

Slide Mount Holder SH-U1

USB Cable UC-1

IEEE1394 Cable FC-1

AC Adapter AC-U10

CD-ROM for DiMAGE Scan Elite II

Photoshop Elements

Optional accessories:

APS Adapter AD-10

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

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

System Requirements

MACINTOSH – USB

- Computer:** Apple Macintosh models with a USB 1.1 port as standard interface
- CPU:** PowerPC G3 or later (PowerPC G4 is recommended for scanning with Digital ICE, ROC, GEM, and 16-bit output.)
- Operating system:** Mac OS 8.6 – 9.1
- Memory:** A minimum of 64MB free memory in addition to the requirements for the Mac OS and applications (128MB or more for scanning with Digital ICE, ROC, GEM, and 16-bit output. 256 MB or more is recommended.)
- Hard disk space:** 100 MB or more of free hard disk space. (500MB or more for scanning with ICE, ROC, GEM, and 16-bit output. 1GB or more is recommended.)
- Monitor:** 1024 x 768 pixels or greater is recommended.
A monitor with 640 x 480 pixels can also be used.
- Number of colors:** 32,000 colors or more
- Other:** CD-ROM drive
- Photoshop plug-in driver software has been fully tested for use with Adobe Photoshop ver. 5.0.2, 5.5, 6.0, Adobe Photoshop 5.0LE, and Adobe Photoshop Elements.
- ColorSync profile is included in the CD-ROM for DiIMAGE Scan Elite II.

MACINTOSH – FireWire (IEEE 1394)

Computer:	Apple Macintosh models with a FireWire (IEEE 1394) port as standard interface
CPU:	PowerPC G3 or later (PowerPC G4 is recommended for scanning with Digital ICE, ROC, GEM, and 16-bit output.)
Operating system	Mac OS 8.6 [†] – 9.1
Memory:	A minimum of 64MB free memory in addition to the requirements for the Mac OS and applications (128MB or more for scanning with ICE, ROC, GEM, and 16-bit output. 256 MB or more is recommended.)
Hard disk space:	100 MB or more of free hard disk space. (500MB or more for scanning with Digital ICE, ROC, GEM, and 16-bit output. 1GB or more is recommended.)
Monitor:	1024 x 768 pixels or greater is recommended. A monitor with 640 x 480 pixels can also be used.
Number of colors:	32,000 colors or more
Other:	CD-ROM drive Photoshop plug-in driver software has been fully tested for use with Adobe Photoshop ver. 5.0.2, 5.5, 6.0, Adobe Photoshop 5.0LE, and Adobe Photoshop Elements. ColorSync profile is included in the CD-ROM for DiIMAGE Scan Elite II.

[†] Users of Mac OS 8.6 must download and install the dedicated driver software from the Apple Computer web site.

PC/AT – USB

- Computer:** IBM PC/AT compatible models^{†1} with a USB 1.1 port as standard interface^{†2}
- CPU:** Intel Pentium or later. (Pentium 166MHz or later for scanning with Digital ICE, ROC, GEM, and 16-bit output. Pentium III or later is recommended.)
- Operating system:** Windows 98, Windows 98 Second Edition, Windows 2000 Professional or Windows Me
- Memory:** A minimum of 64 MB of RAM (128 MB or more for scanning with ICE, ROC, GEM, and 16-bit output. 256MB or more is recommended.)
- Hard disk space:** 100 MB or more of free hard disk space. (500MB or more for scanning with Digital ICE, ROC, GEM, and 16-bit output. 1GB or more is recommended.)
- Monitor:** 1024 x 768 pixels or greater is recommended.
A monitor with 640 x 480 pixels can also be used.
- Number of colors:** 16-bit high colors or more
- Other:** CD-ROM drive
The TWAIN driver software has been fully tested for use with Adobe Photoshop ver. 5.0.2, 5.5, 6.0, Adobe Photoshop 5.0LE, Adobe Photoshop Elements, Paint Shop Pro 7, and Corel PHOTO-PAINT 9.

^{†1} Only for PCs with pre-installed Windows 98, Windows 98 Second Edition, Windows 2000 Professional or Windows Me

^{†2} USB port guaranteed by PC manufacturers

PC/AT – IEEE 1394

- Computer:** IBM PC/AT compatible models
- CPU:** Intel Pentium or later. (Pentium 166MHz or later for scanning with Digital ICE, ROC, GEM, and 16-bit output. Pentium III or later is recommended.)
- Operating system:** Windows 2000 Professional or Windows Me operating system
- Memory:** A minimum of 64MB of RAM (128 MB or more for scanning with ICE, ROC, GEM, and 16-bit output. 256MB or more is recommended.)
- Hard disk space:** 100 MB or more of free hard disk space. (500MB or more for scanning with Digital ICE, ROC, GEM, and 16-bit output. 1GB or more is recommended.)
- Monitor:** 1024 x 768 pixels or greater is recommended.
A monitor with 640 x 480 pixels can also be used.
- Number of colors:** 16-bit high colors or more
- Recommended IEEE1394 interface:**
Adaptec AFW-4300
OHCI-compliant IEEE 1394 port as standard interface[†]
- Other:** CD-ROM drive
The TWAIN driver software has been fully tested for use with Adobe Photoshop ver. 5.0.2, 5.5, 6.0, Adobe Photoshop 5.0LE, Adobe Photoshop Elements, Paint Shop Pro 7, and Corel PHOTO-PAINT 9.

[†] Non-DV-dedicated IEEE 1394 port guaranteed by PC manufacturers

Error-free operation is not guaranteed for any of the systems recommended.

System requirements are based on the latest information available at the time of printing and are subject to change without notice.

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* Windows is either a registered trademark or trademark of Microsoft Corporation in the United States and/or other countries.

* Macintosh and FireWire are trademarks or registered trademarks of Apple Computer Inc.

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Appendix

The Dimage Scan Elite F-2900 named "European Digital Scanner of the Year 2000-2001"

The Dimage Scan Elite went on sale in November 1999. This film scanner handles both 35 mm and Advanced Photo System (APS) film formats, and is equipped with "Digital ICE™" automatic image correction functions that can automatically detect and compensate for scratches and dust on the film surface.

EISA had this to say about why they selected Dimage Scan Elite as digital scanner of the year -- "With this film scanner, Minolta has created a secure and reliable tool for both the professional and the enthusiastic amateur photographer who wants to digitize 35 mm- and APS slides and negatives. With automatic dust and scratch correction, good colour control, 2820 dpi resolution and excellent included software this scanner delivers professional quality at a reasonable price, making it appealing for more people than just the elite of the digital photography world."

EISA is made up of representatives from 40 professional camera and video magazines from 19 European countries. Since 1982, awards have been given annually for outstanding products of the year in 20 categories, including single lens reflex cameras, compact cameras, digital cameras, and films. The year 2000 marks the 19th year for the awards.

The award ceremony will be held on September 19 in Cologne, Germany.

* Digital ICE is a trademark of Applied Science Fictions, Inc.