Minolta DiMAGE Scan Multi PRO Film Scanner
Specifications

Supported Film Format	35mm (color, black & white, negative, positive) 120/220 (color, black & white, negative, positive) 16mm (optional) Minox (optional) 24 x 65 mm panoramic format (optional) Transparent Electronic Microscope (optional): 5.9 x 8.15 cm, 5.9 x 16.3 cm, 8.3 x 10.2 cm, 8.2 x 11 cm (color, black & white, negative, positive) Microfilm in Aperture Cards (optional): film frame of 3.55 x 4.85 cm or smaller, card size of 8.25 x 18.7 cm or smaller (color, black & white, negative, positive)
Optical Resolution	35mm film: 4,800 x 4800 dpi 120/220 film: 3,200 x 4,800 dpi
Maximum Input Resolution	35mm film: 4,800 x 4,800 dpi 120/220 film: 4,800 (by interpolation) x 4,800 dpi
Sensor	3-line color CCD
Number of Pixels	7,260 pixels per line
Filter	RGB primary-color filter
Scan Size	35mm film: 25.02mm x 37.08mm Medium-format 120/220 film: 6 x 4.5: 56.58 x 42.67mm 6 x 6: 56.58 x 56.58mm 6 x 7: 56.58 x 70.10mm 6 x 8: 56.58 x 77.15mm 6 x 9: 56.58 x 83.82mm Multi formats*: 35mm film (24 x 65mm panorama format), 16mm film, Minox film, TEM film, and microfilm in aperture cards, can be scanned within the following sizes: Multi-format 35mm: 25.02 x 83.82mm Multi-format 6 x 9: 56.58 x 83.82mm *with the optional Multi Format Set*
Maximum input pixels (at 4,800 dpi)	35mm film: 4,728 x 7,008 Medium-format film 120/220 film: 6 x 4.5: 10,692 x 8,064 pixels 6 x 6: 10,692 x 10,692 pixels 6 x 7: 10,692 x 13,248 pixels 6 x 8: 10,692 x 14,580 pixels 6 x 9: 10,692 x 15,840 pixels Multi formats*: 35mm film (24 x 65mm panorama format), 16mm film, Minox film, TEM film, and Microfilm on aperture cards, can be scanned within the following number of pixels: Multi-format 35mm: 4,728 x 15,840 Multi-format 6 x 9: 10,692 x 15,840 *with the optional Multi Format Set*

Scanning Method	Fixed film, moving sensor, single-pass scanning
A/D Conversion	16-bit
Output Data	8-bit, 16-bit (per color channel)
Multi-sample Scanning	2x, 4x, 8x, 16x, off
Continuous Scan	35mm Film Holder: 6 frames (maximum) Slide Mount Holder: 4 frames (maximum)
Dynamic Range	4.8

Scan Time
(Approximate time with positive film, 4800dpi input resolution, 8-bit output color depth, no Digital ICE^3, no cropping, no autoexposure, no color matching. Scanning time will increase when using any of the Digital ICE^3.)
	Macintosh:
	    35mm film: pre-scan – 10 seconds; final scan – 50 seconds;
	                index scan (6 frames) – 35 seconds
	    6x9 film: pre-scan – 15 seconds; final scan – 250 seconds;
	
	Windows:
	     35mm film: pre-scan – 9 seconds; final scan – 45 seconds;
	                 index scan (6 frames) – 30 seconds
	     6x9 film: pre-scan – 13 seconds; final scan – 230 seconds;

Light Source	3-wave fluorescent lamp
Power Requirements	Voltage: 100-240V AC Frequency: 50/60Hz
Focus	Autofocus (Point AF available) and manual focus
Interface	Ultra SCSI (D-sub half-pitch 50p x2) and IEEE1394 (6p x2)
Dimensions (WxHxD)	6.6 x 5 x 14.8 inches (168 x 128 x 377mm)
Weight	8.82 lbs. (4 kg)
Driver Software	Windows: TWAIN data source and Utility Macintosh: Adobe Photoshop Plug-in and Utility
Digital ICE^{3TM}	Applied Science Fiction^{TM}'s technology for automatic image restoration and enhancement
Standard Accessories	35mm Film Holder FH-P1, Slide Mount Holder SH-P1, Universal Holder UH-P1, Standard Attachment HA-P1, Glassless Attachment HA-P2, Film Mask Set FM-P1 (6 x 4.5, 6 x 6, 6 x 7, 6 x 8, 6 x 9 medium-format masks), power cable, SCSI cable SC-P1, IEEE1394 cable FC-P1, DiMAGE Scan Multi PRO driver software, ColorSync Profile, ICC Profile for Color Matching System

Optional Accessories	Multi-format Set (Multi Format Attachment HA-P3, Multi Format Mask FM-P2)
System Requirements	**Macintosh: FireWire (IEEE1394)** Apple Macintosh[1] with a FireWire (IEEE1394) port as standard interface. Power PC G3 or later (Power PC G4 is recommended for scanning with Digital ICE, ROC, GEM and 16-bit output) with Mac OS 8.6 – 9.1; a minimum of 64MB free memory in addition to the requirements for the Mac OS and applications (256 MB or more for scanning with Digital ICE, ROC, GEM and 16-bit output. 512MB or more recommended.) 20MB for installation and 4 times or more the size of the image is required for scanning. CD-ROM drive. **Macintosh: FireWire (Ultra SCSI)** Apple Macintosh[1]. Power PC 640 or later (Power PC G3 or later for scanning with Digital ICE, ROC, GEM and 16-bit output) with Mac OS 8.6 – 9.1. Power PC G4 is recommended; a minimum of 64MB free memory in addition to the requirements for the Mac OS and applications (256 MB or more for scanning with Digital ICE, ROC, GEM and 16-bit output. 512MB or more recommended.) 20MB for installation and 4 times or more the size of the image is required for scanning. CD-ROM drive. Recommended SCSI board: Adaptec PowerDomain 2940UW, 2040U2W, 2930U, 29160N [1]: Excludes notebook PCs **Windows (IEEE1394):** IBM PC/AT compatible models[2, 3] with Intel Pentium II or later. (Pentium III or later is recommended) with Windows 2000 Professional or Windows Me; A minimum of 96MB of RAM (256MB or more for scanning with Digital ICE, ROC, GEM and 16-bit output. 512MB or more is recommended.) 20MB for installation and 4 times or more the size of the image is required for scanning. CD-ROM drive. Recommended IEEE1394 inferface: Adaptec AFW-4300, OHCI-compliant IEEE1394 port as standard interface[4] **Windows (Ultra SCSI):** IBM PC/AT compatible models[2, 3] with Intel Pentium 166MHz processor or later. (Pentium II or later for scanning with ICE, ROC and GEM, and 16-bit output. Pentium III or later is recommended.) with Windows 98, Windows 98 SE, Windows 2000 Professional, Windows Me or Windows NT4.0. A minimum of 96MB of RAM (256MB or more for scanning with Digital ICE, ROC, GEM and 16-bit output. 512MB or more is recommended.) 20MB for installation and 4 times or more the size of the image is required for scanning. CD-ROM drive. Recommended SCSI board: Adaptec SCSI Card 19160, SCSI Card 29160, SCSI Card 29160N [2]: Only for PCs with pre-installed operating systems [3]: Excludes notebook PCs [4]: Non-DV-dedicated IEEE1394 port guaranteed by PC manufactures)

* System environment for scan time measurement:
    Macintosh:
        Power PC G4 533 Mhz; 1.5 GB RAM; 35 GB Hard Disk Space; Mac OS 9.1; Adobe
        Photoshop 6.0 with 1.2 GB memory allocated to application; Firewire (IEEE 1394) as
        standard
    Windows:
        Pentium IV 1.5 GHz; 1GB RAM; 19 GB Hard Disk Space; Windows 2000 Professional;
        Adobe Photoshop 6.0 with 800MB memory allocated to application; Adaptec AFW-4300
        interface.

Specifications, accessories and system requirements are subject to change without notice.

# # #