DiMAGE 7 / DiMAGE 5

Technical Specifications

CCD:	**DiMAGE 7:**
	2/3-type interline primary-color CCD with a total of 5.24 million pixels
	DiMAGE 5:
	1/1.8-type interline primary-color CCD with a total of 3.34 million pixels
Number of effective pixels:	**DiMAGE 7:**
	4.95 million
	DiMAGE 5:
	3.17 million
A/D conversion:	12 bits
Camera sensitivity:	Auto, ISO 100, 200, 400, 800 (ISO equivalent)
Aspect ratio:	4:3
Focal length:	**DiMAGE 7:**
	7.2 – 50.8mm (35 mm equivalent: 28 - 200 mm)
	DiMAGE 5:
	7.2 – 50.8mm (35 mm equivalent: 35 - 250 mm)
Lens construction:	16 elements in 13 groups (includes 2 AD glass elements and 2 aspheric elements)
Maximum aperture:	f/2.8 – f/3.5
Minimum focus distance:	0.5m (from the CCD)
Minimum macro focus distance:	
	25cm (from the CCD)
	Approx. 13cm (from the front of the lens)
Maximum magnification:	0.18X
Optical zooming control:	Manual zooming ring
Filter diameter:	49mm
Viewfinder type:	EVF (Electronic viewfinder)
	Variable-position: 0-90º
	DiMAGE 7:
	Automatic monitor amplification

	Electronic magnification
Viewfinder LCD:	Ferroelectric 4.8mm (0.19 inch) reflective liquid crystal microdisplay
	Equivalent visual resolution: 220,000 pixels
LCD monitor:	46mm (1.8 inch) TFT color
	Total number of pixels: 122,000
Field of view:	EVF: 100% (approx.)
	External LCD monitor: 100 % (approx.)
Display-mode switch:	Auto-display, Electronic-viewfinder display, External LCD-monitor display
Viewfinder magnification:	**DiMAGE 7**
	0.31 – 2.1X
	DiMAGE 5
	0.38 – 2.58X
Diopter control:	– 5 ~ +0.5 diopter
Eye relief:	20mm (from the eyepiece)
	17.5mm (from the eyepiece frame)
Shutter:	CCD electronic shutter and mechanical shutter
Shutter speeds:	1/2000 - 4 s, Bulb (max. 30 s)
Autofocus system:	Video AF
Autofocus areas:	Wide focus area, Spot focus point
	Flex Focus Point control is available with the spot focus point
Focus modes:	Autofocus: Single-shot AF, Continuous AF
	Manual focus
Focus lock:	With AF/AE-lock button or by pressing the shutter-release button partway down
Metering:	Multi-segment, Center-weighted, Spot
Multi-segment metering:	**DiMAGE 7**
	300 segments
	DiMAGE 5
	256 segments
Exposure control range:	Wide: Ev 1 – 17
	Telephoto: Ev 1.6 – 17.7
Exposure modes:	Programmed AE (with program shift), Aperture priority, Shutter priority, Manual

	Digital subject program selection (Portrait, Sports action, Sunset, Night portrait, Text)
Exposure compensation:	± 2 Ev in 1/3 increments
AE lock:	With AF/AE-lock button or by pressing the shutter-release button partway down
Flash metering:	ADI, Pre-flash TTL
Built-in flash range:	Wide: 0.5 - 3.8m (approx.)
	Telephoto: 0.5 - 3m (approx.)
	(Camera sensitivity: auto)
Flash modes:	Fill-flash, Red-eye reduction, Rear flash sync
Built-in flash recycling time:	7 s (approx.)
Flash compensation:	± 2 Ev in 1/3 increments
Flash-sync speeds:	All shutter speeds
Dedicated external flash:	Auto-flash metering with Program Flash 3600HS(D), Program Flash 5600HS(D), Macro Twin Flash 2400,* Macro Ring Flash 1200*
	*Macro Flash Controller is necessary.
Continuous advance:	**DiMAGE 7**
	1.1 fps (max.)
	DiMAGE 5
	1.3 fps (max.)
	* Continuous advance speed is approximate and may vary depending upon the subject and shooting conditions.
	* Continuous advance is not available for images recorded in the super fine or RAW mode.
Interval recording:	2 – 99 frames
	Interval time: 1 – 10 min., 15 min., 20 min., 30 min., 45 min., 60 min.
Digital Enhanced Bracketing:	Exposure, Contrast, Color saturation
	Exposure: 1.0, 0.5, 0.3 Ev increments
	Contrast, Color saturation: fixed increments
	Number of brackets: 3 frames
Self-timer:	10 s (approx.)
Movie recording:	60 s (max.)

Operating time:	**DiMAGE 7**
	Start-up time: 2.6 s (approx.)
	Shutter-release time lag: 0.13 s (approx.)
	Capturing interval: 0.9 s (approx.)
	Playback loading interval: 0.2 s (approx.)
	DiMAGE 5
	Start-up time: 2.6 s (approx.)
	Shutter-release time lag: 0.1 s (approx.)
	Capturing interval: 0.75 s (approx.)
	Playback loading interval: 0.2 s (approx.)
Color modes:	Color, Black and white
White-balance control:	Automatic, Preset (Daylight, Tungsten, Fluorescent, Cloudy), Custom
Sharpness settings:	Three levels (Soft, Normal, Hard)
Digital Effects Control:	Exposure, Color saturation, Contrast compensation
Digital zoom:	2X
Delete function:	Single, multiple, or all frames can be deleted.
Format function:	Available in the setup mode
Data imprinting:	Year/month/day (Format can be changed.)
	Month/day/time
	Text
	Text and serial numbers
	Imprinting can be disabled.
Image-quality modes:	Economy, Standard, Fine, Super fine, RAW
Number of recorded pixels (Still images):	
	DiMAGE 7
	2560 x 1920, 1600 x 1200, 1280 x 960, 640 x 480
	DiMAGE 5
	2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480
Number of recorded pixels (Movie clips):	320 x 240

Storage capacity:	Approximate storage capacity of a 16 MB CompactFlash card**:	
	DiMAGE 7	**DiMAGE 5**
RAW:	1 frame	2 frames
Super fine:	1 frame	1 frame
Fine:	7 frames	9 frames
Standard:	15 frames	16 frames
Economy:	22 frames	27 frames
Movie[†]	90 seconds	71 seconds

*Recorded pixels: DiMAGE 7: 2560 x 1920

DiMAGE 5: 2048 x 1536

**Actual number of images may vary depending upon subjects.

[†]Total number of seconds that can be stored

File format:	Exif 2.1 (JPEG, TIFF), Motion JPEG (AVI), RAW
	DCF 1.0-compliant
	DPOF-compliant (Supported by printing functions in ver. 1.1)
Exif tag information:	Date and time, Exposure mode, Shutter speed, Aperture value, Exposure compensation value, Metering method, Flash on/off, Camera sensitivity, White balance setting, Focal length, Color space, etc.
Printing output control:	PRINT Image Matching
Recording media:	Type I and Type II CompactFlash cards
	IBM Microdrive (170MB, 340MB, 512MB, 1GB)
PC interface:	USB ver. 1.1
Video output:	NTSC, PAL (selected on the camera)
Audio signal:	Tone indicates operation.
	Audio signal can be disabled.
Batteries:	4 AA batteries (Ni-MH, alkaline)
	Use of Ni-MH batteries is recommended.

Battery performance

(Playback):   **DiMAGE 7 & DiMAGE 5**

Continuous playback time: 110 min. (approx.)

Based on Minolta's standard test method: Ni-MH

batteries, external LCD monitor on, EVF off.

Battery performance

(Recording):   **DiMAGE 7**

Number of recorded images: 200 frames (approx.)

Based on Minolta's standard test method: Ni-MH batteries, EVF on,

external LCD monitor off, flash used with 50% of the frames, no

instant playback, standard image quality, full-size images (2560 x

1920).

DiMAGE 5

Number of recorded images: 200 frames (approx.)

Based on Minolta's standard test method: Ni-MH batteries, EVF on,

external LCD monitor off, flash used with 50% of the frames, no

instant playback, standard image quality, full-size images (2048 x

1536).

External power source:	6V DC with specified AC adapter (sold separately)
Dimensions:	116.5 (W) x 90.5 (H) x 112.5 (D) mm
Weight:	Approx. 505g (without batteries or recording media)
Operating temperature:	0-40 ºC
Standard accessories:	AA Alkaline Batteries
	Neck Strap for DiMAGE 7/5 NS-DG7
	Lens Cap (49mm) LF-1249
	Lens Shade for DiMAGE 7/5 DLS-7
	Accessory Shoe Cap SC-9
	Video Cable for DiMAGE 7/5 VC-100
	CF Card 16MB
	USB Cable for DiMAGE 7/5 USB-100
	DiMAGE Software CD-ROM
Optional accessories:	Camera Case for DiMAGE 7/5 CS-DG7
	External High Power Battery Pack Kit EBP-100

Remote Code RC-1000S

Remote Code RC-1000L

AC Adapter AC-1L or AC-2L

- AC Adapter AC-1L

   INPUT: 100 - 120V AC, 50/60Hz; OUTPUT: 6V DC, 2A

- AC Adapter AC-2L

INPUT: 100 - 240V AC, 50/60Hz; OUTPUT: 6V DC, 2A

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

System Requirements

IBM PC/AT compatible computer with preinstalled Windows Me, Windows 2000, Windows 98*, or Windows 98 Second Edition* and with a built-in USB port as a standard interface.

Power Mac G4 (includes dual processor G4 and G4 Cube) series, G3 (Blue and White) series, iMac series, iBook, or PowerBook G3 with preinstalled Mac OS 8.6** – 9.1 and with a built-in USB port as a standard interface.

- Problems may be encountered depending on what other USB devices are being used in parallel with this product.
- Only a built-in USB port is supported. Problems may be encountered when the camera is connected to a USB hub.
- Normal operation may not be possible even when all the system requirements are met.
* Users of the Windows 98 and Windows 98 Second Edition must install dedicated driver software included in the DiMAGE 7 and DiMAGE 5 package.
** Users of the Mac OS 8.6 must download free dedicated driver software from the Apple Computer web site and install it.

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