

Technical Specifications

Number of effective pixels:	4.0 million
CCD:	1/1.8-type interline primary-color CCD Total pixels: 4.1 million
A/D conversion:	12 bit
Camera sensitivity:	Auto and 64, 100, 200, and 400 ISO equivalents
Focal length:	7.15 – 28.6mm (35mm equivalent: 35 – 140mm)
Lens construction:	11 elements in 9 groups (includes one AD glass element and two double-sided aspheric elements)
Maximum aperture:	f/3.0 – f/3.6
Minimum focus distance:	Wide: 0.5 m / 1.6 ft. from CCD Telephoto: 0.9 m / 3 ft. from CCD
Macro focus range:	10 – 54 cm / 3.9 – 21.3 in. from front of lens 16 – 60 cm / 6.3 – 23.6 in. from CCD
Maximum magnification:	0.1x (1:10) Equivalent to 0.465x (1:2.15) in 35mm format
Area covered at maximum magnification:	74.3 x 55.7mm / 2.93 x 2.19 in.
Filter diameter:	35.5mm
Viewfinder type:	Optical real-image zoom viewfinder
Monitor LCD:	4.6 cm (1.8 inch) TFT color Total number of pixels: 122,000
Shutter:	CCD electronic shutter and mechanical shutter
Shutter speed range:	4 - 1/1000s, Bulb (max. 15s)
Autofocus system:	Video AF
Autofocus areas:	Wide focus area Spot focus areas with Focus Area Selection
Focus modes:	Autofocus Full-time AF is available in the autofocus mode. Manual focus
Metering:	Multi-segment, Spot
Multi-segment metering:	270 segments

Exposure modes:	Programmed AE, Aperture priority, Manual
Digital Subject Programs:	Macro, Portrait, Landscape, Night portrait, Text, Macro & text
Exposure compensation:	±2 Ev in 1/3 increments
Flash metering:	ADI
Flash range:	Wide: 0.5 – 3.5 m / 1.6 – 11.5 ft. (approx.) Telephoto: 0.9 – 3.0 m / 3 – 9.8 ft. (approx.) (Camera sensitivity: auto)
Flash modes:	Autoflash, Autoflash with red-eye reduction, Fill-flash, Fill-flash with red-eye reduction, Flash cancel
Continuous advance:	Available
Exposure bracketing:	Three frame bracket in 1.0, 0.5, 0.3 Ev increments
Self-timer:	10 s (approx.)
Remote control:	IR Remote Control RC-3 (sold separately)
Movie recording:	Recording time: 60 s (max.) with monaural audio Frame rate: 15 fps
Audio:	Voice memo: 5s or 15s monaural audio with still image
Color modes:	Natural Color, Vivid Color, Black and white, Sepia, Solarization
White balance control:	Automatic, Preset (Daylight, Tungsten, Fluorescent, Cloudy), Custom
Digital effects controls:	Contrast compensation, Sharpness, Filter
Contrast compensation:	Three levels (High, Normal, Low)
Sharpness settings:	Three levels (Soft, Normal, Hard)
Filter:	Three levels (Cool, Normal, Warm)
Digital zoom:	2.2 x
Date imprinting:	Month/day/year (Format can be changed.) Imprinting can be disabled
Image-quality modes:	TIFF, Fine, Standard, Economy
Number of recorded pixels (Still images):	2272 x 1704, 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:

	2272x1704	1600x1200	1280x960	640x480
TIFF	1 frame	2 frame	3 frames	13 frames
Fine	6 frames	12 frames	17 frames	34 frames
Standard	11 frames	19 frames	26 frames	42 frames
Economy	17 frames	27 frames	33 frames	48 frames
Movie [†]	51 seconds (320 X 240)			

* Actual number of images may vary depending upon the subject and memory card used.

** Still images are recorded without voice memo.

† Total number of seconds that can be stored.

File formats:

JPEG, TIFF, Motion JPEG (MOV), WAVE

DCF 1.0-compliant

DPOF-compliant (Supported by printing functions in ver. 1.1)

Folder name formats:

Standard, Date

Printing output control:

PRINT Image Matching II, Exif Print

Recording media:

Type I CompactFlash card

Computer interface:

USB 1.1

AV output:

NTSC, PAL (selected on the camera)

Batteries:

Four Ni-MH or AA alkaline batteries

Use of Ni-MH batteries is recommended.

Battery performance

(Playback):

Approximate continuous playback time: 120 min.

Based on Minolta's standard test method with 1,850 mAh Ni-MH batteries.

Battery performance

(Recording):

Approximate number of recorded images: 160 frames

Based on Minolta's standard test method: 1,850 mAh Ni-MH batteries, LCD monitor on, Full-size images (2272X1704), Standard image quality, No

instant playback, No voice memo, Flash used with 50% of the frames.

External power source:

6V DC with specified AC adapter (sold separately)

Dimensions:

113.5(W) x 64.5(H) x 58.5(D) mm/
4.47(W) x 2.54(H) x 2.3(D) in.

Weight:

335g/11.8oz. (approx.) without batteries or recording media

Operating temperature:

0-40°C / 32-104°F

Standard accessories:

Four AA Alkaline Batteries

Neck Strap NS-DG304

Lens Cap LF-236

AV Cable AVC-100

USB Cable USB-600

CompactFlash Card

DiMAGE Viewer CD-ROM

Optional accessories:

Camera Case CS-DG304

IR Remote Control RC-3

External High Power Battery Pack Kit EBP-100

AC Adapter AC-1L or AC-2L

Leather Neck Strap NS-DG1000

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

System Requirements

IBM PC/AT compatible computers with Windows XP, Windows Me, Windows 2000 Professional, Windows 98*, or Windows 98 Second Edition* and with a USB port as standard interface.

Apple Macintosh computers with preinstalled Mac OS 9.0 – 9.2.2, Mac OS X v10.1. 3–10.1.5, v10.2.1, and v10.2.2 and with a USB port as standard interface.

- The computer and operating system must be guaranteed by their manufacturers to support USB 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 with Windows 98 and Windows 98 Second Edition operating systems must install dedicated driver software included in the DiMAGE S414 package.

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