Technical Specifications

Number of effective pixels:	3.2 million
CCD:	1/2.5-type interline primary-color CCD
	Total pixels: 3.3 million
Camera sensitivity:	Auto and 64,100, 200, and 400 ISO equivalents
Focal length:	6 - 48mm (35mm equivalent: 36 – 290mm)
Lens construction:	11 elements in 9 groups
Maximum aperture:	f/3.2 – f/3.4
Minimum focus distance:	Wide: 0.5m/1.6ft from front of lens
	Telephoto: 1.5m/4.9ft from front of lens
	Wide: 0.57m / 1.9ft from CCD
	Telephoto: 1.57m/ 5.1ft from CCD
Minimum macro distance:	Macro Mode:
	Wide:0.01m / 0.4in.
	Tele:0.6m / 23.6in.
Maximum magnification:	0.24x
	Equivalent to 1.5x in 35mm format
Area covered at maximum magnification:	
	25 x 18mm /1.0 x 0.7 in. (approx.)
LCD monitor:	3.8cm (1.5 inch) low-temperature polysilicon TFT color
	Total number of pixels: 113,000
	Automatic monitor amplification
Field of view:	Viewfinder: 98% (approx.)
	LCD monitor: 100 % (approx.)
Display-mode switch:	Viewfinder display, LCD-monitor display
	Switch Finder System allows the monitor to be viewed
	directly or through the viewfinder.
Dioptre control:	$-3 \sim +1m^{-1}$
Eye relief:	18.8mm
Shutter:	CCD electronic shutter and mechanical shutter
Shutter speed range:	4 - 1/2000 s in programmed AE and aperture -priority modes.
	15 - 1/2000 s in shutter-priority and manual exposure modes, time exposure (max. 30 s)
	2 - 1/2000 s in Auto-recording and Digital Subject Programs
Autofocus system:	Rapid AF: a combination of a passive AF sensor with the video AF system

Autofocus areas:	3-Point Wide Focus Area
	Spot focus areas with Focus Area Selection
Focus modes:	Single-shot AF, Continuous AF with Predictive Focus
	Control, Full-time AF, Manual focus.
Focus lock:	By pressing shutter-release button partway down.
Metering:	Multi-segment, Centre-weighted, Spot
Multi-segment metering:	256 segments
Exposure modes:	Programmed AE, Aperture priority, Shutter priority, Manual
Digital Subject Programs:	Automatic (Portrait, Sports Action, Landscape, Sunset,
	Standard)
	Manual (Portrait, Sports Action, Landscape, Sunset,
	Standard, Night Portrait.)
Exposure compensation:	±2 Ev in 1/3 increments
AE lock:	By pressing shutter-release button partway down
Flash metering:	Pre-flash TTL
Flash range:	Wide: 0.5 – 5.2 m / 1.6 – 17.1 ft. (approx.) from front of lens
	Telephoto: 1.5 – 5.2 m / 4.9 – 17.1 ft. (approx.) from front of ler
	(Camera sensitivity: auto)
Flash modes:	Autoflash, Autoflash with Red-eye Reduction, Fill flash,
	Flash cancel, Slow-shutter sync. Autoflash not available with
	aperture priority, Shutter priority, and Manual exposure
	modes.
Flash recycling time:	4 s (approx.)
Flash compensation:	± 2 Ev in 1/3 increments
Flash-sync speeds:	All shutter speeds
Continuous advance:	1.5 fps (approx.)

*Actual speed may vary depending upon the subject and camera settings.

Approximate number of frames that can be captured at one time with the continuous-advance drive modes:

Continuous advance				
	2048x1536	**1600x1200**	**1280x960**	**640x480**
Fine	5 frames	8 frames	13 frames	42 frames
Standard	10 frames	16 frames	24 frames	67 frames
Economy	19frames	30 frames	42 frames	94 frames

* Actual number of images may vary depending upon the subject and camera settings.

The essentials of imaging

Progressive Capture:	Stores images from the built-in memory to the memory card the latest frame captured with the continuous advance. Maximum number of images that can be recorded with the Progressive Capture mode:
	6 frames (1.5 fps)
Exposure bracketing:	Three frame bracket in 1.0, 0.5, or 0.3 Ev increments
Self-timer:	10 s , 2s (approx.)
Movie:	Recording time dependent on memory card capacity, image size, and frame rate.
	Frame rate: 15fps (640x320, 320x240),
	30fps (320x240)
	Movie frame capture
	Night movie (automatic selection or disabled)
White balance control:	Automatic, Preset (Daylight, Cloudy, Tungsten, Fluore Flash), Custom
Digital Effects Control:	Contrast compensation, Sharpness
Contrast compensation:	Three levels (Low, Normal, High)
Sharpness settings:	Three levels (Soft, Normal, Hard)
Color modes:	Natural Colour, Vivid Colour, Black and White, Sepia
Noise reduction:	User selectable dark noise reduction
Digital zoom:	4x (max.) in 0.1x increments
Copy function:	To copy single or multiple images to the same or another memory card.
E-mail Copy function:	Creates a compressed 640x480 JPEG image for transmission.
Date imprinting:	Year/month/day (Format can be changed.)
	Imprinting can be disabled
Key customization:	The function activated by the flash-mode button can be changed.
Image-quality modes:	Fine, Standard, Economy
Number of recorded pixels (Still images):	
	2048 x 1536, 1600 x 1200, 1280 x 960, 640 x 480
Number of recorded pixels (Movie clips):	
	640x480, 320x240,
Storage capacity:	Approximate storage capacity of a 16MB SD (Secure Digital) Memory Card:

Still images				
	2048x1536	1600x1200	1280x960	640x480
Fine	9 frames	14 frames	22 frames	69 frames
Standard	17 frames	27 frames	39 frames	100 frames
Economy	32 frames	47 frames	69 frames	150 frames

Movie clips		
	640 x 480	320 x 240
30 fps	-	21 s
15 fps	26 s	42 s

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

File formats: JPEG, Motion JPEG (MOV)
DCF 2.0-compliant
DPOF-compliant (Supported by printing functions in ver. 1.1)
Exif 2.2

Folder name formats: Standard, Date
Printing output control: Exif Print, PRINT Image Matching II, PictBridge
Recording media: SD (Secure Digital) Memory Cards, Multimedia Cards
Computer interface: Full-speed 12Mbps data transfer with USB 2.0 compatible computer
AV output: NTSC, PAL (selected on the camera)
Batteries: Four AA batteries: Alkaline, Ni-MH

Battery performance (Playback):

Approximate continuous playback time:

600 min. with alkaline batteries.

Battery performance (Recording):

Approximate number of recorded images: 500

Conforming to CIPA (included AA alkaline batteries,

included SD memory card).

External power source: 6V DC with specified AC adapter (sold separately)
Dimensions: 109 (W) x 82(H) x 94(D) mm
4.3(W) x 3.2 (H) x 3.7 (D) in.
Weight: 300g / 10.6oz. (approx.) without batteries or recording media
Operating temperature: 0-40ºC / 32-104°F

Standard accessories:	Neck Strap NS-DG800
	Lens Cap LF-243B
	Video Cable VC-400
	16MB SD (Secure Digital) Memory Card
	USB Cable USB-3
	DiMAGE Viewer CD-ROM
	Four AA Alkaline batteries
Optional accessories:	AC Adapter AC-1L or AC-11
	Camera Case CS-DG1000
	Leather Neck Strap NS-DG1000
	Wide-Angle Converter ZCW-200

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 Home, Windows XP Professional, Windows Me, Windows 2000 Professional, Windows 98*, or Windows 98 Second Edition* and with a USB port as standard interface.

Apple Macintosh computers with pre-installed Mac OS 9.0 – 9.2.2, Mac OS X v10.1.3 – 10.1.5, and v10.2.1 – 10.2.8, v10.3-10.3.3 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 must install dedicated driver software included in the DiMAGE Z10 package.

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

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