Technical Specifications

Number of effective pixels:	5.0 million
CCD:	1/2.5-type interline primary-colour CCD
	Total pixels: 5.2 million
Camera sensitivity:	Auto and 50,100, 200, and 320 ISO equivalents
Focal length:	5.83 – 69.9mm (35mm equivalent: 35 – 420mm)
Lens construction:	13 elements in 10 groups
Maximum aperture:	f/2.8 – f/4.5
Minimum focus distance:	Wide: 0.6m/2.0ft from front of lens
	Telephoto: 1.6m/ 5.2ft from front of lens

Minimum macro distance:

	Super Macro	Standard macro	
Focal length	10.45mm*	Wide	Telephoto
From front of lens	1 cm	10cm	120cm
	0.4 in.	3.9 in	47.2 in

* at 10.45 mm only

Maximum magnification:	0.20x
	Equivalent to 1.2x in 35mm format
Area covered at maximum magnification:	
	31 x 23mm /1.2 x 0.9 in.
Viewfinder type:	Electronic viewfinder
	0.33-inch with a total of 114,000 pixels
LCD monitor:	2.0 inch digital-interface TFT colour Total number of pixels: 114,000 (approx.)
	Automatic monitor amplification
Field of view:	Viewfinder: 100% (approx.)
	LCD monitor: 100 % (approx.)
Dioptre control:	$-3 \sim +1m^{-1}$
Eye relief:	16.9mm
Shutter:	CCD electronic shutter and mechanical shutter
Shutter speed range:	4 - 1/1000 s
Autofocus system:	Video AF system
Autofocus areas:	5-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, 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: 0.2 – 3.6 m / 0.7 – 11.8 ft. (approx.) from front of lens
	Telephoto: 1.2 – 2.2 m / 3.9 – 7.2 ft. (approx.) from front of lens
	(Camera sensitivity: auto)

The essentials of imaging

Flash modes:	Autoflash, Autoflash with Red-Eye reduction, Fill flash, Slow-shutter sync. Autoflash deactivated with Aperture Priority, Shutter Priority, and Manual exposure modes. Flash cancel by pushing the built-in flash down.
Flash recycling time:	7 s (approx.)
Flash compensation:	± 2 Ev in 1/3 increments
Flash-sync speeds:	All shutter speeds
External flashes:	Auto-flash metering with Program/Maxxum Flash 2500 (D), Program 3600HS (D), Program Flash 5600HS (D)

Continuous advance:	- UHS (Ultra High Speed) continuous advance:
	    10fps (approx.) (1024 x 768)
	
	- Standard continuous advance:
	
	    2.2 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:

UHS continuous advance	
1024x768	
Fine	
Standard	Max. 20frames
Economy	

Standard continuous advance				
	2560x1920	2048x1536	1600x1200	640x480
Fine	* 3 frames	4 frames	6 frames	38 frames
Standard	6 frames	9 frames	17 frames	122 frames
Economy	8 frames	18 frames	38 frames	143 frames

*2.0 fps (approx.) 2560x1920 Fine

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

The essentials of imaging

Progressive Capture:	Stores images from the latest frame captured with the continuous advance.
	Maximum number of images that can be recorded with the Progressive Capture mode:
	Max. 20 frames (approx. 10 fps) 1024x768
Exposure bracketing:	Three frame bracket in 0.5, 0.3 Ev increments
Self-timer:	10 s, 2s (approx.)
Movie:	Recording time dependent on memory card capacity, image size, and frame rate.
	No. of recorded pixels: 640x480 Fine, 640x480 Standard, 320x240
	Standard Frame rate: 15fps, 30 fps
	Audio: monaural
	Optical zoom is ON in recording
	Movie frame capture
	Movie editing
	Night movie (automatic selection or disabled)
White balance control:	Automatic, Preset (Daylight, Cloudy, Tungsten, Fluorescent, Flash), Custom
Digital Effects Control:	Contrast compensation, Sharpness
Contrast compensation:	Three levels (Low, Normal, High)
Sharpness settings:	Three levels (Soft, Normal, Hard)
Colour modes:	Natural Colour, Vivid Colour, Black and white, Sepia
Noise reduction:	Available (Auto)
Digital zoom:	4x (max.) in 0.2x increments
Languages	Japanese, English, Germany, French, Spanish, Chinese (Simplified character), Italian, Swedish
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 customisation:	The function activated by the flash-mode button can be changed.
Image-quality modes:	Fine, Standard, Economy
Number of recorded pixels (Still images):	2560 x 1920, 2048 x 1536, 1600 x 1200, 640 x 480 1024x768 in UHS continuous-advance mode and Progressive Capture mode
Number of recorded pixels (Movie clips):	640x480, 320x240
Storage capacity:	Approximate storage capacity of a 16MB SD (Secure Digital) Memory Card:

Still images				
	2560x1920	2048x1536	1600x1200	640x480
Fine	4 frames	7 frames	12 frames	67 frames
Standard	9 frames	15 frames	22 frames	101 frames
Economy	18 frames	26 frames	37 frames	142 frames
Movie clips				
		640x480 FINE	640x480 Standard	320x240 Standard
30 fps		9 s	14 s	29 s
15 fps		18 s	28 s	57 s

* Movie clips recorded with audio.
* Actual number of images may vary depending upon the subject and memory card used.

File formats: JPEG, Motion JPEG (MOV): with audio
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 III, 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)
Anti-Shake system: CCD-Shift Anti-Shake system
User selectable
Batteries: 4x AA batteries: Alkaline, Ni-MH

Battery performance (Playback):

Approximate continuous playback time: 240 min. (approx.)

with alkaline batteries.

Battery performance (Recording):

Approximate number of recorded images: 240 (approx.)

Conforming to CIPA (included AA alkaline batteries, included

SD memory card)

External power source:	6V DC with specified AC adapter (sold separately)
Dimensions:	108.5 (W) x 80.0(H) x 84(D) mm
	4.3(W) x 3.1 (H) x 3.3 (D) in.
Weight:	340g / 12.0oz. (Approx.) without batteries or recording media
Operating temperature:	0-40°C / 32-104°F
Standard accessories:	Neck Strap NS-DG7000
	Lens Cap LF-243 set
	Accessory Shoe Cap SC-1000
	AV Cable AVC-700
	16MB SD (Secure Digital) Memory Card
	USB Cable USB-2
	DiMAGE Viewer CD-ROM
	Four AA Alkaline batteries
Optional accessories:	AC Adapter AC-11
	Camera Case CS-DG1000
	Leather Neck Strap NS-DG1000
	Wide-angle Converter ZCW-300 kit
	Adapter ring for attaching filter/converter ZCA-300
	Program Flash 3600HS (D), 5600HS (D), 2500(D)

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

System Requirements

The following operating systems are compatible with the camera:
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 preinstalled Mac OS 9.0 – 9.2.2, Mac OS X v10.1.3 – 10.1.5, and v10.2.1 – 10.2.8, v10.3-10.3.6 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 Z5 package.

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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