Technical Specifications

Number of effective pixels:	4.0 million
CCD:	1/2.5-type interline primary-color CCD
	Total pixels: 4.2 million
Camera sensitivity:	Auto and 50,100, 200, and 400 ISO equivalents
Focal length:	6.3 - 63mm (35mm equivalent: 38 – 380mm)
Lens construction:	11 elements in 7 groups (includes two elements with three aspheric surfaces)
Maximum aperture:	f/2.8 – f/3.7
Minimum focus distance:	Wide: 0.5m/1.6ft from front of lens
	Telephoto: 2m/6.6ft from front of lens
	Wide: 0.57m / 1.9ft from CCD
	Telephoto: 2.07m/ 6.8ft from CCD

Minimum macro distance:

	Super Macro	Standard macro	
Focal length	11.1mm*	Wide	Telephoto
From front of lens	3 cm 1.2 in.	7cm 2.6 in	100cm 39.3 in
From CCD	10cm 3.9in.	14cm 5.5in	107cm 42.1in.

* at 11.1 mm only

Maximum magnification:	0.15x
	Equivalent to 0.90x in 35mm format
Area covered at maximum magnification:	
	39 x 28mm /1.5 x 1.1 in.
LCD monitor:	3.8cm (1.5 inch) low-temperature polysilicon TFT color with anti-reflection coating
	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.

Diopter control:	– 3 ~ +1m^{-1}
Eye relief:	18.8mm
Shutter:	CCD electronic shutter and mechanical shutter
Shutter speed range:	4 - 1/1000 s in programmed-AE and aperture-priority modes. 15 - 1/1000 s in shutter-priority and manual exposure modes. Bulb (max. 30 s) 2 - 1/1000 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, Center-weighted, Spot
Multi-segment metering:	256 segments
Exposure modes:	Programmed AE, Aperture priority, Shutter priority, Manual
Digital Subject Programs:	Portrait, Sports action, Landscape, Sunset, Night portrait. Automatic and manual selection.
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: 0.23 – 6.1 m / 0.8 – 20 ft. (approx.) from CCD Telephoto: 1.27 – 4.6 m / 4.1 – 15 ft. (approx.) from CCD (Camera sensitivity: auto)
Flash modes:	Autoflash, Autoflash with red-eye reduction, Fill flash, Slow-shutter sync. Autoflash not available with aperture priority, shutter priority, and manual exposure modes. Flash cancel by pushing the built-in flash down.
Flash recycling time:	5 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/Maxxum 3600HS (D), Program/Maxxum Flash 5600HS (D)

Continuous advance:
- UHS (Ultra High Speed) continuous advance:
  Ten 1280x960 frames in one second (approx.)
- Standard 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:

UHS continuous advance	
1280x960	
Fine	
Standard	10 frames
Economy	

Standard continuous advance				
	2272x1704	1600x1200	1280x960	640x480
Fine				
Standard		5 frames		
Economy				

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

Progressive Capture:
Stores images from the built-in memory to the memory card from the latest frame captured with the continuous advance.
Maximum number of images that can be recorded with the Progressive Capture mode:
  UHS: 12 frames (10 fps)
  Standard: 5 frames (2.5 fps)

Exposure bracketing:
Three frame bracket in 1.0, 0.5, 0.3 Ev increments

Self-timer:
10 s (approx.)

Movie:
Recording time dependent on memory card capacity, image size, and frame rate.
Frame rate: 15fps, 30 fps

Fast forward and rewind control.

With and without monaural audio with playback volume control.

Jogging

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)

Color modes: Natural Color, Vivid Color, 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 or 160x120 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):

2272 x 1704, 1600 x 1200, 1280 x 960, 640 x 480

1280 x 960 in UHS continuous-advance mode

Number of recorded pixels (Movie clips):

800x600, 640x480, 320x240, 160x120

Storage capacity: Approximate storage capacity of a 16MB SD (Secure Digital) Memory Card:

Still images				
	2272x1704	1600x1200	1280x960	640x480
Fine	7 frames	14 frames	22 frames	69 frames

4

Standard	14 frames	27 frames	39 frames	100 frames
Economy	27 frames	47 frames	69 frames	150 frames
Movie clips				
	800x600	640x480	320x240	160x120
30 fps	-	13 s	21 s	1 min. 22 s
15 fps	28 s	25 s	41 s	2 min. 30 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 2.21

Folder name formats: Standard, Date

Printing output control: Exif Print, PRINT Image Matching II, PictBridge

Recording media: SD (Secure Digital) Memory Cards, MultiMediaCards

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: 180 min. with alkaline batteries.

Battery performance (Recording):

Approximate number of recorded images: 250

Comforming to CIPA (included AA alkaline batteries, included SD memory card)

External power source: 6V DC with specified AC adapter (sold separately)

Dimensions: 109.5 (W) x 77.5(H) x 80(D) mm

4.31(W) x 3.05 (H) x 3.15 (D) in.

Weight: 305g / 10.8oz. (approx.) without batteries or recording media

Operating temperature: 0-40°C / 32-104°F

Standard accessories: Neck Strap NS-DG6000

Lens Cap LF-242A

Accessory Shoe Cap SC-1000

AV Cable AVC-400

16MB SD (Secure Digital) Memory Card

USB Cable USB-500

DiMAGE Viewer CD-ROM

ArcSoft VideoImpression™ 2 CD-ROM(for windows only)

Four AA Alkaline batteries

Optional accessories: AC Adapter AC-1L or AC-11

Camera Case CS-DG900

Leather Neck Strap NS-DG1000

External High Power Battery Pack Kit EBP-100

Wide Converter Kit ZCW-100

Adapter ring for attaching filter/converter ZCA-100

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

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, v10.3-10.3.2 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 must install dedicated driver software included in the DiMAGE Z2 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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