Technical Specifications

Number of effective pixels:	5.0 million
CCD:	2/3-type progressive primary colour CCD Total pixels: 5.3 million
A/D conversion:	14 bit
Camera sensitivity:	Auto, ISO 100, 200, 400, 800 equivalents
Focal length:	7.2 – 50.8mm (35 mm equivalent: 28 - 200 mm)
Lens construction:	16 elements in 13 groups (includes two AD glass elements and two aspheric elements)
Maximum aperture:	f/2.8 – f/3.5
Minimum focus distance:	0.5m from CCD
Macro focus range:	At 7.2mm: 30 – 60 cm from CCD 21 – 51 cm from front of lens At 42.7 – 50.8mm: 25 – 60 cm from CCD 13 – 50 cm from front of lens
Maximum magnification:	0.177x (1: 5.65) Equivalent to 0.7x (1: 1.43) in 35mm format
Area covered at maximum magnification:	50 x 37 mm
Optical zooming control:	Manual zooming ring
Filter diameter:	49mm
Viewfinder type:	EVF (Electronic viewfinder) Variable-position: 0-90º
Viewfinder LCD:	11mm TFT liquid-crystal microdisplay Total pixels: 235,000 pixels
LCD monitor:	46mm low-temperature polysilicon TFT colour Variable-position: -20 - 90º Total pixels: 118,000
Automatic monitor amplification:	Activates in low light.
Field of view:	EVF: 100% (approx.) External LCD monitor: 100 % (approx.)

Display-mode switch:	Auto-display, Electronic-viewfinder display, External LCD-monitor display
Dioptre control:	$-5 \sim +2 \ m^{-1}$
Eye relief:	22mm at $-1m^{-1}$
Shutter:	CCD electronic shutter and mechanical shutter
Shutter speed range:	30 - 1/16,000s Bulb (max. 30s)
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, Full time AF, Subject Tracking AF. Manual focus with 2x or 8x Flex Digital Magnifier (FDM)
Full-time AF:	With the spot focus point or Flex Focus Point. Full-time AF can be disabled.
Subject Tracking AF:	With continuous AF. Subject Tracking AF can be disabled.
Focus lock:	By pressing shutter release button partway down.
Subject lock:	With Subject Tracking AF by pressing shutter release button partway down.
Metering:	Multi-segment, Centre-weighted, Spot (centre or with Flex Focus Point)
Multi-segment metering:	300 segments
Exposure control range:	Programmed AE and aperture priority modes: Wide: Ev –1 – 20 Telephoto: Ev 0.4 – 20.7 Shutter priority and manual modes: Wide: Ev - 2 – 21 Telephoto: Ev - 1.4 - 21

Exposure modes:	Programmed AE (with program shift), Aperture Priority, Shutter Priority, Manual	
Digital Subject Programs:	Portrait, Sports Action, Sunset, Night Portrait	
Exposure compensation:	± 2 Ev in 1/3 increments	
AE lock:	With AE-lock button or by pressing the shutter release button partway down	
Flash control:	ADI, Pre-flash TTL, Manual flash control	
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, Wireless/Remote flash	
Flash recycling time:	5 s (approx.)	
Flash compensation:	± 2 Ev in 1/3 increments	
Flash-sync speed:	All shutter speeds	
External flashes:	Auto-flash metering with Program Flash 2500 (D), 3600HS (D), 5600HS (D), Macro Twin Flash 2400,* Macro Ring Flash 1200.* *Macro Flash Controller is necessary. Non-dedicated off-camera flash units can be used using the camera's flash-sync terminal.	
Continuous advance:	High speed continuous advance: 2.8 fps (max.) Standard continuous advance: 2 fps (max.) * Actual speed may vary depending upon the subject and camera settings. Approximate number of frames that can be captured at one time:	

	2560x1920	2080x1560	1600x1200	640x480
RAW	5 frames	-	-	-
TIFF	3 frames	3 frames	3 frames	3 frames
Extra fine	3 frames	3 frames	3 frames	3 frames
Fine	3 frames	3 frames	3 frames	3 frames
Standard	3 frames	3 frames	3 frames	3 frames

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

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Interval recording:	2 – 240 frames Interval time: 30 s, 1 – 10 min., 15 min., 20 min., 30 min., 45 min., 60 min. Start time 0-24h in 0.5h increments
Exposure bracketing:	Three frame bracket in 0.5 and 0.3 Ev increments
Digital Enhanced Bracketing:	Three frame contrast, colour saturation, or filter bracket in fixed increments.
Self timer:	10s, 2s (approx.)
Movie:	Standard movie mode: 15 min. (max.) at 24fps with mono Night movie mode: 15 min. (max.) at 24fps with and without mono Automatic selection function between standard and night movie modes available. Time lapse movie mode：no audio and played back at 4 fps
Audio:	Voice memo: 15s (max.) mono audio with still image
Colour modes:	Natural Colour (sRGB), Vivid Colour (sRGB), Adobe RGB, Embedded Adobe RGB, Black and white (neutral and toned), Solarization
Camera colour spaces:	sRGB, Adobe RGB
White balance control:	Automatic Preset (Daylight, Tungsten, Shade, Cloudy, Flash, and Fluorescent settings) with fine adjustments in seven levels. Custom (three settings)
Sharpness settings:	Three levels (Soft, Normal, Hard)
Digital Effects Control:	Colour saturation, Contrast compensation, Filter
Noise reduction:	User selectable dark noise reduction

Digital zoom: 2x with still images

Data imprinting: Year/month/day (Format can be changed.)
Month/day/hour: minute
Text
Text and serial numbers
Imprinting can be disabled.

Custom functions: Control dial customization.
User selectable function can be assigned to the
function dial.

Image-quality modes: RAW, TIFF, Extra fine, Fine, Standard

**Number of recorded
pixels(Still images):** 2560 x 1920*, 2080 x 1560, 1600 x 1200, 640 x 480

**Number of recorded
pixels (Movie clips):** 320 x 240 in standard and night movie modes
640 x 480 in time lapse movie mode

Storage capacity: Approximate storage capacity of a 16MB
CompactFlash card:

	2560x1920	2080x1560	1600x1200	640x480
RAW	2 frames	-	-	-
TIFF	1 frame	1 frame	2 frames	15 frames
Extra fine	2 frames	4 frames	7 frames	35 frames
Fine	5 frames	8 frames	14 frames	47 frames
Standard	10 frames	14 frames	23 frames	63 frames
Movie	19 seconds with 320x240 images			

*   Still images recorded without voice memo.
**   Actual number of images may vary depending upon the subject and memory card used.

File formats: JPEG, TIFF, Motion JPEG (MOV), RAW, WAVE
DCF 1.0-compliant
DPOF-compliant (Supported by printing functions in
ver. 1.1)
Exif 2.2

Printing output control: Exif Print, PRINT Image Matching II

Recording media:	Type I and Type II CompactFlash cards IBM Microdrive (170MB, 340MB, 512MB, 1GB)
Computer interface:	Full speed 12Mbps USB
AV output:	NTSC, PAL (selected on the camera)
Batteries:	One NP-400 lithium-ion battery
Battery performance (Playback) :	Approximate continuous playback time: 300 min. with NP-400 lithium-ion battery, External LCD monitor on, EVF off.
Battery performance (Recording):	Approximate number of recorded images: 330 frames with NP-400 lithium-ion battery, EVF on, External LCD monitor off, Full-size images (2560 x 1920), Fine 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:	117 (W) x 85 (H) x 113.5 (D) mm
Weight:	560 g without batteries or recording media (approx.)
Operating temperature:	0-40 ºC
Standard accessories:	Neck Strap NS-DG4000 Lens Cap (49mm) LF-1249 Accessory Shoe Cap SC-10 AV Cable AVC-400 16MB CompactFlash Card USB Cable USB-500 DiMAGE Viewer Lens Shade DLS-1 Lithium-ion Battery NP-400 Lithium-ion Battery Charger BC-400
Optional accessories:	AC Adapter AC-1L or AC-11 Camera Case CS-DG7 Holiday Strap HS-2 Leather Neck Strap NS-DG1000 DiMAGE Neck Strap (Indigo) NS-DG2000 DiMAGE Neck Strap (Gray) NS-DG3000 Accessory Shoe Cap SC-1000 External High Power Battery Pack Kit EBP-100 Remote Cord RC-1000S Remote Cord RC-1000L Step Up Adapter 49mm – 62mm CompactFlash Adapter for SD Memory Cards SD-CF1 Battery Pack BP-400 DiMAGE Capture

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 Mac OS 9.0 – 9.2.2, Mac OS X v10.1.3 - 10.1.5, or v10.2.1 – 10.2.5 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 A1 package.

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