Technical Specifications

Number of effective pixels:	8.0 million
CCD:	2/3-type interlaced primary-color CCD
	Total pixels: 8.3 million
A/D conversion:	12 bit
Camera sensitivity:	Auto, ISO 64, 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 (1.6 ft.) from CCD
Macro focus range:	At 7.2mm:
	30 – 60 cm / 11.8 – 23.6 in. from CCD
	21 – 51 cm / 8.3 – 20 in. from front of lens
	At 42.7 – 50.8mm:
	25 – 60 cm / 9.8 – 23.6 in. from CCD
	13 – 50 cm / 5.1 – 19.7 in. 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:	
	52 x 39 mm / 2.05 x 1.54in.
Optical zooming control:	Manual zooming ring
Filter diameter:	49mm
Viewfinder type:	EVF (Electronic viewfinder)
	Variable-position: 0-90º
Viewfinder LCD:	11mm (0.44 inch) TFT liquid-crystal microdisplay
	Total pixels: 922,000 pixels
LCD monitor:	46mm (1.8 inch) low-temperature polysilicon TFT color
	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
Diopter control:	– 3.5 ~ +1.5 m^{-1}
Eye relief:	19.5 mm at -1 m^{-1}
Shutter:	CCD electronic shutter and mechanical
	shutter
Shutter speed range:	30 - 1/4000s
	Bulb (max. 30 s)
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 3.3x or Flex Digital
	Magnifier (FDM) with 3.3x
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, Center-weighted, Spot
	(center or with Flex Focus Point)
Multi-segment metering:	300 segments
Exposure control range:	Programmed AE and aperture-priority
	modes:
	Wide: Ev –1.7 – 20
	Telephoto: Ev –1.2 – 20.7
	Shutter-priority and manual modes:
	Wide: Ev – 2 – 19

	Telephoto: Ev – 1.4 – 19
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 / 1.6 – 12.5 ft. (approx.) Telephoto: 0.5 – 3.0m / 1.6 – 9.8 ft. (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/Maxxum 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:	-UHS continuous advance: 7 fps (640x480)
-	-High-speed continuous advance: 2.7 fps (max.)
	- Standard continuous advance: 1.8 fps (max.)

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

Approximate number of frames that can be captured at one time:

	3264x2448	2560x1920	2080x1560	1600x1200	640x480
RAW	3 frames	-	-	-	
TIFF	-	-	-	-	-
Extra fine	3 frames	3 frames	3 frames	3 frames	3 frames
Fine	3 frames	3 frames	3 frames	3 frames	3 frames
Standard	3 frames	3 frames	3 frames	3 frames	3 frames

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

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, color saturation, or filter bracket in fixed increments.

Self-timer: 10s, 2s (approx.)

Movie:
- Standard movie mode: 15 min. (max.) at 30 fps with monaural audio
- Night movie mode: 15 min. (max.) at 30 fps with monaural audio
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.) monaural audio with still image

Color modes: Natural Color (sRGB), Vivid Color (sRGB), Adobe RGB, Embedded Adobe RGB, Black and white (neutral and toned), Solarization

Camera color 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: Color 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): 3264 x 2448, 3264 x 2176(in 3:2 mode), 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
544 x 408 in standard and night movie modes
640 x 480 in time-lapse movie mode

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

	3264x2448	3264x2176	2560x1920	2080x1560	600x1200	640x480
RAW	1 frames	-	-	-	-	-
RAW+JPEG	0 frames	0 frames	1 frames	1 frames	1 frames	1 frames
TIFF	0 frames	0 frames	1 frames	1 frames	2 frames	5 frames
Extra fine	1 frames	1 frames	2 frames	4 frames	7 frames	5 frames
Fine	3 frames	4 frames	5 frames	8 frames	4 frames	7 frames
Standard	6 frames	7 frames	0 frames	4 frames	3 frames	4 frames
Movie	33 seconds with 320x240 images at 15 fps					

* 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 2.0-compliant
	DPOF-compliant (Supported by printing functions in ver. 1.1)
	Exif 2.21
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:	USB (*2.0 High speed)
AV output:	NTSC, PAL (selected on the camera)
Batteries:	One NP-400 lithium-ion battery
Battery performance (Playback):	Approximate continuous playback time: 240 min. with NP-400 lithium-ion battery, External LCD monitor on, EVF off.
Battery performance (Recording):	Approximate number of recorded images: 280 frames with NP-400 lithium-ion battery, EVF off, External LCD monitor on, Full-size images (3264 x 2448), 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
	(4.61 (W) x 3.35 (H) x 4.47 (D) in.)
Weight:	565 g (19.9 oz.) without batteries or recording media (approx.)
Operating temperature:	0-40 ºC (32-104 ºF)
Standard accessories:	Neck Strap NS-DG4000
	Lens Cap (49mm) LF-1349
	Accessory Shoe Cap SC-10
	AV Cable AVC-400

	USB Cable USB-500
	DiMAGE Viewer
	ULEAD Video Studio 7 SE
	Lens Shade DLS-2
	Lithium-ion Battery NP-400
	Lithium-ion Battery Charger BC-400
Optional accessories:	AC Adapter AC-1L or AC-11
	Camera Case CS-DG7
	Leather Neck Strap NS-DG1000
	DiMAGE Neck Strap (Indigo) NS-DG2000
	DiMAGE Neck Strap (Gray) NS-DG3000
	Holding Strap HS-2
	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
	Telephoto Converter ACT-100
	Wide-angle Converter ACW-100
	DiMAGE Capure

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 – 10.2.8, v10.3 – 10.3.1 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 A2 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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