Technical Specifications

Number of effective pixels:	5.0 million
CCD:	2/3-type interline primary colour CCD
Total pixels:	5.2 million
A/D conversion:	12 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 Automatic monitor amplification Electronic magnification
Viewfinder LCD:	Ferroelectric 4.8mm reflective liquid crystal microdisplay Equivalent visual resolution: 220,000 pixels

Monitor LCD:	46mm low temperature polysilicon TFT colour Total pixels: 118,000
Field of view:	EVF: 100% (approx.) External LCD monitor: 100 % (approx.)
Display-mode switch:	Auto display, Electronic viewfinder display, External LCD monitor display
Viewfinder magnification:	0.31 – 2.1x
Dioptre control:	– 5 ~ +0.5 dioptre
Eye relief:	20mm
Shutter:	CCD electronic shutter and mechanical shutter
Shutter speed range:	15 - 1/4000 s at ISO 100 in programmed AE and aperture priority exposure modes. Maximum shutter speed is 1/2000s at ISO 100 in shutter priority and manual exposure modes. *The slowest shutter speed varies with the camera-sensitivity (ISO) setting. 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 Manual focus with 4x electronic magnification
Focus lock:	By pressing shutter release button partway down. Also possible with spot AE lock button.
Metering:	Multi-segment, Centre weighted, Spot
Multi-segment metering:	300 segments
Exposure control range:	Programmed AE and aperture priority modes: Wide: Ev -1 – 18 Telephoto: Ev -0.4 – 18.7 Shutter priority and manual modes: Wide: Ev -1 – 17 Telephoto: Ev -0.4 – 17.7
Exposure modes:	Programmed AE (with program shift), Aperture priority, Shutter priority, Manual

Digital Subject Programs: Portrait, Sports action, Sunset, Night portrait, Text

Exposure compensation: ± 2 Ev in 1/3 increments

AE lock: With spot AE lock button or by pressing the shutter release button partwaydown

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: 7 s (approx.)

Flash compensation: ± 2 Ev in 1/3 increments

Flash-sync speed: All shutter speeds

External flashes: Auto-flash metering with Program Flash 3600HS(D), Program Flash 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 modes:-   UHS (Ultra High Speed) continuous advance: 7fps (approx.)
High speed continuous advance: 3fps (approx.)
Standard continuous advance: 2fps (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†1	UHS continuous Advance†2
RAW	5	-
Super fine	3	-
Extra fine	7	32
Fine	10	62
Standard	17	100

†1 at full (2560x1920) image size.
†2 at SXGA (1280x960) image size.
*Actual number of images may vary depending upon the subject and camera settings.

Interval recording:	2 – 99 frames Interval time: 1 – 10 min., 15 min., 20 min., 30 min., 45 min., 60 min.
Digital Enhanced Bracketing:	Exposure, Contrast, Colour saturation, Filter Exposure: 1.0, 0.5, 0.3 Ev increments Contrast, Colour saturation, Filter: fixed increments Number of frames in bracket:3
Self timer:	10 s (approx.)
Movie:	Standard movie mode: 60 s (max.) at 15fps with and without mono -Night movie mode: 60 s (max.) at 15fps with and without mono Automatic selection function between standard and night movie modes available. -UHS (Ultra High Speed) continuous advance movie mode: 7 fps (approx.) with audio -Time lapse movie mode: no audio and played back at 4 fps
Audio:	Voice memo: 5s or 15s (max.) mono with still image
Colour modes:	Natural Colour (sRGB), Vivid Colour (sRGB), Black and white (neutral and toned), Solarization, Adobe RGB
Camera colour spaces:	sRGB, Adobe RGB
White-balance control:	Automatic Preset (Daylight, Tungsten, Cloudy, and two Fluorescent settings) Custom (three settings)
Sharpness settings:	Three levels (Soft, Normal, Hard)
Digital Effects Control:	Exposure, Colour saturation, Contrast compensation, Filter
Digital zoom:	2x
Data imprinting:	Year/month/day (Format can be changed.) Month/day/time Text Text and serial numbers Imprinting can be disabled.
Image quality modes:	RAW, Super fine, Extra fine, Fine, Standard

Number of recorded pixels
(Still images):

2560 x 1920, 1600 x 1200, 1280 x 960,
640 x 480
1280 X 960 in UHS continuous advance mode

Number of recorded pixels
(Movie clips):

Time lapse movie at all image sizes
640 x 480 in UHS continuous advance mode
320 x 240 in standard and night movie modes

Storage capacity:

Approximate storage capacity of a
16 MB CompactFlash card:

RAW: 1 frame
Super fine: 1 frame
Extra fine: 2 frame(s)
Fine: 5 frames
Standard: 10 frames
Movie†   50 seconds

*Recorded at: 2560 x 1920
**Actual number of images may vary depending upon the
subject and memory card used.
†Total number of seconds that can be stored

File formats:

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

Printing output control:

Exif Print, PRINT Image Matching II

Recording media:

Type I and Type II CompactFlash cards
IBM Microdrive (170MB, 340MB, 512MB, 1GB)

PC interface:

USB 1.1

AV output:

NTSC, PAL (selected on the camera)

Batteries:

Four AA Ni-MH or alkaline batteries
Use of Ni-MH batteries is recommended.

Battery performance
(Playback):

Approximate continuous playback time: 120 min.
Based on Minolta's standard test method:
1850mAh Ni-MH batteries, External LCD monitor
on, EVF off.

Battery performance
(Recording): Approximate number of recorded images: 220 frames
Based on Minolta's standard test method: 1850mAh Ni-MH batteries, EVF on, External LCD monitor off, Full-size images (2560 x 1920), Standard 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 90.5 (H) x 112.5 (D) mm

Weight: 530 g without batteries or recording media (approx.)

Operating temperature: 0-40 ºC

Standard accessories: Leather Neck Strap NS-DG1000
Lens Cap (49mm) LF-1249
Accessory Shoe Cap SC-9
AV Cable AVC-300
16MB CompactFlash Card
USB Cable USB-100
DiMAGE Software CD-ROM (Includes DiMAGE Viewer)
Lens Shade DLS-7Hi
Four AA Ni-MH batteries
Ni-MH Battery Charger

Optional accessories: AC Adapter AC-1L or AC-2L
Camera Case CS-DG7
Neck Strap NS-DG2000 (indigo)
Neck Strap NS-DG3000 (grey)
External High Power Battery Pack Kit EBP-100
Remote Cord RC-1000S
Remote Cord RC-1000L
Step Up Adapter 49mm – 62mm

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, 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 8.6** – 9.2.2 or Mac OS X v10.1-10.1.5 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 7Hi package.
** Users with Mac OS 8.6 must download and install free driver software from the Apple Computer web site.

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