

Technical Specifications

Number of effective pixels:	4.95 million
CCD:	2/3-type interline primary-color CCD Total pixels: 5.24 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 (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:	50 x 37 mm (1.97 x 1.46in.)
Optical zooming control:	Manual zooming ring
Filter diameter:	49mm
Viewfinder type:	EVF (Electronic viewfinder) Variable-position: 0-90° Automatic monitor amplification Electronic magnification for manual focusing
Viewfinder LCD:	Ferroelectric 4.8mm (0.19 inch) reflective liquid crystal microdisplay Equivalent visual resolution: 220,000 pixels
Monitor LCD:	46mm (1.8 inch) low-temperature polysilicon

	TFT color
	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
Diopter control:	– 5 ~ +0.5 diopter
Eye relief:	20mm (from eyepiece)
Shutter:	CCD electronic shutter and mechanical shutter
Shutter speed range:	4 - 1/4000 s in programmed AE and aperture-priority modes, Maximum shutter speed in shutter-priority and manual modes is 1/2000s. 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
Focus lock:	By pressing shutter-release button partway down. Also possible with spot-AE lock button.
Metering:	Multi-segment, Center-weighted, Spot
Multi-segment metering:	300 segments
Exposure control range:	Programmed AE and aperture-priority modes: Wide: Ev 1 – 18 Telephoto: Ev 1.6 – 18.5 Shutter-priority and manual modes: Wide: Ev 1 – 17 Telephoto: Ev 1.6 – 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 partway down
Flash metering:	ADI, Pre-flash TTL, Manual flash control
Built-in flash range:	Wide: 0.5 - 3.8m (1.6 – 12.5 ft.) (approx.) Telephoto: 0.5 - 3m (1.6 – 9.8 ft.) (approx.) (Camera sensitivity: auto)
Flash modes:	Fill-flash, Red-eye reduction, Rear flash sync, Wireless/Remote flash
Built-in 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 Flash 3600HS(D), Program Flash 5600HS(D), Macro Twin Flash 2400,* Macro Ring Flash 1200* *Macro Flash Controller is necessary. Compatible with PC Flash Adapter
Continuous-advance modes:	UHS (Ultra High Speed) continuous advance: 7 fps (approx.) with SXGA (1280 x 960) images Standard continuous advance: max. 2 fps (approx.)
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, Color saturation, Filter Exposure: 1.0, 0.5, 0.3 Ev increments Contrast, Color saturation, Filter: fixed increments Number of brackets: 3 frames
Self-timer:	10 s (approx.)
Movie recording:	- Standard movie mode: 60 s (max.) at 15fps with and without monaural audio - Night movie mode: 60 s (max.) at 15fps with and

	without monaural audio
	Automatic selection function between standard and night movie modes available.
	- UHS (Ultra High Speed) continuous-advance movie mode: at 7 fps (approx.) without audio
	- Time-lapse movie mode: at 4 fps without audio
Audio:	Voice memo: 5s or 15s (max.) monaural audio with still image
Color modes:	Natural Color, Vivid Color, Black and white (neutral and toned), Solarization
White-balance control:	Automatic, Preset (Daylight, Tungsten, Fluorescent, Cloudy), Custom
Sharpness settings:	Three levels (Soft, Normal, Hard)
Digital Effects Control:	Exposure, Color 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, Fine, Standard, Economy
Number of recorded pixels (Still images):	2560 x 1920, 1600 x 1200, 1280 x 960, 640 x 480
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

Fine: 5 frames
Standard: 8 frames
Economy: 13 frames
Movie[†] 49 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:

PRINT Image Matching, Exif Print

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: 110 min.
Based on Minolta's standard test method:
1700mAh Ni-MH batteries, external LCD monitor on, EVF off.

Battery performance

(Recording):

Approximate number of recorded images: 200 frames
Based on Minolta's standard test method: 1700mAh 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 (4.61 (W) x 3.56 (H) x 4.43 (D) in.)
Weight:	525 g (18.5 oz.) without batteries or recording media (approx.)
Operating temperature:	0-40 °C (32-104 °F)
Standard accessories:	Neck Strap NS-DG7 Lens Cap (49mm) LF-1249 Accessory Shoe Cap SC-9 AV Cable AVC-300 CF (CompactFlash) Card (16MB) USB Cable USB-100 DiMAGE Software CD-ROM (Includes DiMAGE Viewer) Lens Shade for DiMAGE 7i DLS-7i Four AA Ni-MH batteries Ni-MH Battery Charger
Optional accessories:	AC Adapter AC-1L or AC-2L Camera Case CS-DG7 External High Power Battery Pack Kit EBP-100 Remote Cord RC-1000S Remote Cord RC-1000L Step Up Adapter 49mm – 62mm PC Flash Adapter PCT-100

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 models 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 models with Mac OS 8.6** – 9.2.2 or Mac OS X v10.1 - 10.1.3 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 of the Windows 98 and Windows 98 Second Edition must install dedicated driver software included in the DiIMAGE 7i package.
- ** Users with Mac OS 8.6 must download and install free driver software from the Apple Computer web site.

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- * Windows is either a registered trademark or a trademark of Microsoft Corporation in the United States and/or other countries.
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