

Technical Specifications

Number of effective pixels:	5.0 million
CCD:	1/1.8-type interline primary-color CCD Total pixels: 5.3 million
A/D conversion:	12 bit
Camera sensitivity:	Auto and 64, 100, 200, and 400 ISO equivalents
Focal length:	7.8 – 23.4mm (35mm equivalent: 38 – 114mm)
Lens construction:	8 elements in 7 groups (includes three elements with four aspheric surfaces)
Maximum aperture:	f/2.8 – f/4.7
Minimum focus distance:	0.5m / 1.6ft from CCD
Macro focus range:	14.5 – 54.5 cm / 5.7 – 21.5 in. from front of lens
Maximum magnification:	0.17x (1: 5.88) Equivalent to 0.74x (1: 1.35) in 35mm format
Area covered at maximum magnification:	31.7 x 42mm / 1.25 x 1.65 in.
Viewfinder type:	Optical real-image zoom viewfinder
Monitor LCD:	3.8cm (1.5 inch) low-temperature polysilicon TFT color with anti-reflection coating Total number of pixels: 110,000 Automatic monitor amplification
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. 15 s)
Autofocus system:	Video AF
Autofocus areas:	Wide focus area (Area AF) Spot focus areas with Focus Area Selection
Focus modes:	Subject Tracking AF, Single-shot AF, Full-time AF, Manual focus
Focus lock:	With single-shot AF and Focus Area Selection

Subject lock:	By pressing shutter-release button partway down With Subject Tracking AF
Metering:	By pressing shutter-release button partway down Multi-segment, Center-weighted, Spot
Multi-segment metering:	256 segments
Exposure modes:	Programmed AE, Aperture priority, Shutter priority, Manual
Digital Subject Programs:	Automatic selection: Portrait, Sports action, Landscape, Sunset, Night portrait Manual selection: Portrait, Sports action, Landscape, Sunset, Night portrait, Macro
Exposure compensation:	±2 Ev in 1/3 increments
AE lock:	By pressing shutter-release button partway down
Flash range:	Wide: 0.5 – 3.4 m /1.6 – 11.2 ft. (approx.) Telephoto: 0.5 – 2 m /1.6– 6.6 ft. (approx.) (Camera sensitivity: auto)
Flash modes:	Autoflash, Autoflash with red-eye reduction, Fill flash, Flash cancel With aperture priority, shutter priority, or manual exposure, fill flash, fill flash with red-eye reduction, flash cancel only.
Flash compensation:	± 2 Ev in 1/3 increments
Continuous advance:	- UHS (Ultra High Speed) continuous advance: Eleven 1280 X 960 frames in one second (approx.) - Standard continuous advance: 1.5 fps (approx.) without shutter sound effect 1.2 fps (approx.) with shutter sound effect *Actual speed may vary depending upon the subject and camera settings. * UHS and standard continuous advance cannot be used with super fine images.
Exposure bracketing:	1.0, 0.5, 0.3 Ev increments
Self-timer:	10 s (approx.)
Remote control:	IR Remote Control RC-3 (sold separately)

Movie:	20 min. (max.) with 160 x 120 images
	3 min (max.) with 320 x 240 images
	Frame rate: 15fps
	Fast forward and rewind control.
	Monaural audio with playback volume control.
	Night movie (automatic selection or disabled)
	* The writing speed of the memory card in use may prevent an entire movie clip from being recorded.
Audio:	Audio recording: 180 min. (max.) *
	*128MB memory card is required.
	Voice memo: 15s (max) with still image
	Audio caption: 15s (max.) with still image
	Monaural audio with playback volume control.
	Fast forward and rewind control with audio recording.
White balance control:	Automatic, Preset (Daylight, Tungsten, Fluorescent, Cloudy), Custom
Digital Effects Control:	Contrast compensation, Color saturation compensation, Sharpness, Color modes
Contrast compensation:	Three levels (Low, Normal, High)
Color saturation compensation:	Three levels (Low, Normal, High)
Sharpness settings:	Three levels (Soft, Normal, Hard)
Color modes:	Natural Color, Vivid Color, Black and white
Noise reduction:	User selectable
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 VGA JPEG image for transmission.
Date imprinting:	Year/month/day (Format can be changed.)
	Imprinting can be disabled
Image-quality modes:	Super fine, Fine, Standard, Economy
Number of recorded pixels (Still images):	2560 x 1920, 2048 x 1536, 1600 x 1200, 640 x 480
	1280 x 960 only in UHS continuous-advance mode

Number of recorded pixels (Movie clips):

320 x 240, 160 x 120

Storage capacity:

Approximate storage capacity of a 32MB SD (Secure Digital) Memory Card:

	2560x1920	2048x1536	1600x1200	640x480
Super fine	2 frames	3 frames	5 frames	31 frames
Fine	12 frames	18 frames	30 frames	145 frames
Standard	23 frames	36 frames	57 frames	210 frames
Economy	46 frames	67 frames	99 frames	315 frames
Movie	1 minute 29 seconds with 320x240 images 5 minutes 56 seconds with 160x120 images			
Audio recording	1 hour 4 minutes 40 seconds			

Approximate storage capacity of a 64MB SD (Secure Digital) Memory Card:

	2560x1920	2048x1536	1600x1200	640x480
Super fine	4 frames	6 frames	10 frames	63frames
Fine	25 frames	38 frames	61 frames	298 frames
Standard	49 frames	74 frames	117 frames	430 frames
Economy	94 frames	138 frames	203 frames	645 frames
Movie	3 minutes 2 seconds with 320x240 images 12 minutes 9 seconds with 160x120 images			
Audio recording	2 hours 12 minutes 15 seconds			

* Still images are recorded without voice memo or audio caption

** Actual number of images may vary depending upon the subject and memory card used.

File formats:

JPEG, TIFF, Motion JPEG (MOV), WAVE

DCF 1.0-compliant

DPOF-compliant (Supported by printing functions in ver. 1.1)

Folder name formats:

Standard, Date

Printing output control:

PRINT Image Matching II, Exif Print

Recording media:

SD (Secure Digital) Memory Cards, MultiMediaCards

Computer interface:

USB 1.1

Direct print:	USB DIRECT-PRINT
AV output:	NTSC, PAL (selected on the camera)
Batteries:	One CR-V3 lithium battery or two AA Ni-MH batteries
Battery performance (Playback):	Approximate continuous playback time: 270 min. Based on Minolta's standard test method with a CR-V3 lithium battery.
Battery performance (Recording):	Approximate number of recorded images: 260 frames Based on Minolta's standard test method: CR-V3 lithium battery, LCD monitor on, Full-size images (2560X1920), Standard image quality, No instant playback, No voice memo, No full-time AF, No Subject Tracking AF, Flash used with 50% of the frames.
External power source:	3V DC with specified AC adapter (sold separately)
Dimensions:	111.0(W) x 52.5(H) x 32.5(D) mm 4.37(W) x 2.07(H) x 1.28(D) in.
Weight:	185 g / 6.5 oz. (approx.) without batteries or recording media
Operating temperature:	0-40°C / 32-104°F
Standard accessories:	Hand Strap HS-DG100 AV Cable AVC-200 USB Cable USB-500 SD (Secure Digital) Memory Card CR-V3 lithium battery DiMAGE Viewer
Optional accessories:	Camera Case CS-DG200 AC Adapter AC-6 IR Remote Control RC-3 Metal Chain Neck Strap NS-DG100 Leather Neck Strap NS-DG200*

*Availability varies with region.

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 preinstalled Mac OS 8.6** – 9.2.2, Mac OS X v10.1.3 – 10.1.5, and v10.2.1 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 DiIMAGE F300 package.

** Users with Mac OS 8.6 must download and install free driver software from the Apple Computer web site.

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