

Technical Specifications

Number of effective pixels:	4.0 million
CCD:	1/1.8-type interline primary-color CCD Total pixels: 4.1 million
A/D conversion:	12 bit
Camera sensitivity:	Auto and 100, 200, 400, and 800 ISO equivalents
Focal length:	7.8 – 23.4mm (35mm equivalent: 38 – 114mm)
Lens construction:	8 elements in 7 groups (includes three elements)
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. Subject Tracking AF and single-shot AF can be used with Area AF or Focus Area Selection.

Focus lock:	With single-shot AF 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
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:	Available
Exposure bracketing:	Three frame bracket in 1.0, 0.5, 0.3 Ev increments
Self-timer:	10 s (approx.)
Remote control:	IR Remote Control RC-3 (sold separately)
Movie:	Recording time dependent on memory card capacity. Frame rate: 15fps Fast forward and rewind control. Monaural audio with playback volume control. Night movie (automatic selection or disabled)
Direct Video:	Recording time limited by recording media.
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, Sepia

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 640 X 480 or 160x120 JPEG image for transmission.

Date imprinting:

Year/month/day (Format can be changed.)

Imprinting can be disabled

Image-quality modes:

TIFF, Fine, Standard, Economy

Number of recorded pixels (Still images):

2272 x 1704, 1600 x 1200, 1280 x 960, 640 x 480

Number of recorded pixels (Movie clips):

320 x 240, 160 x 120

Storage capacity:

Approximate storage capacity of a 16MB SD (Secure Digital) Memory Card:

	2272x1704	1600x1200	1280x960	640x480
TIFF	1 frame	2 frames	3 frames	14 frames
Fine	7 frames	14 frames	22 frames	69 frames
Standard	14 frames	27 frames	39 frames	100 frames
Economy	27 frames	47 frames	69 frames	150 frames

Movie	41 seconds with 320x240 images 2 minutes 30 seconds with 160x120 images
Audio recording	30 minutes 51 seconds

* Still images 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.
- Approximate continuous playback time: 150 min.
Based on Minolta's standard test method with 1,850 mAh Ni-MH batteries

Battery performance

(Recording):

- Approximate number of recorded images: 230 frames
Based on Minolta's standard test method: CR-V3 lithium battery, LCD monitor on, Full-size images (2272X1704), Standard image quality, No instant playback, No voice memo, No full-time AF, No Subject Tracking AF, Flash used with 50% of the frames.
- Approximate number of recorded images: 140 frames
Based on Minolta's standard test method: 1,850 mAh

Ni-MH batteries, LCD monitor on, Full-size images (2272X1704), 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(D) mm

4.37(W) x 2.07(H) x 1.26(D) in.

Weight:

185g / 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

16MB SD (Secure Digital) Memory Card

Standard battery set

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 9.0 – 9.2.2, Mac OS X v10.1.3 – 10.1.5, v10.2.1, and v10.2.2 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 F200 package.

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