



KONICA MINOLTA

Technical Specifications

Number of effective pixels:	5.0 million (approx.)
CCD:	1/2.5-inch interline primary-colour CCD Total pixels: 5.2 million (approx.)
Camera sensitivity:	Auto and 50,100, 200, and 320 ISO equivalents
Focal length:	6 - 48mm (35mm equivalent: 36 – 290mm)
Lens construction:	11 elements in 9 groups
Maximum aperture:	f/3.2 – f/3.4
Minimum focus distance:	Wide: 0.5m/1.6ft from front of lens Telephoto: 1.5m/4.9ft from front of lens
Minimum macro distance:	Macro Mode: Wide:0.01m / 0.4in. Tele:0.6m / 23.6in.
Maximum magnification:	0.24x Equivalent to 1.5x in 35mm format
Area covered at maximum magnification:	25 x 18mm /1.0 x 0.7 in. (approx.)
LCD monitor:	1.5-inch low-temperature polysilicon TFT colour Total number of pixels: 113,000 Automatic monitor amplification
Viewfinder type:	Electronic Viewfinder
Field of view:	Viewfinder: 98% (approx.) LCD monitor: 100 % (approx.)
Display-mode switch:	Viewfinder display, LCD-monitor display Switch Finder system allows the monitor to be viewed directly or through the viewfinder.
Dioptr control:	- 3 ~ +1m ⁻¹
Eye relief:	18.8mm
Shutter:	CCD electronic shutter and mechanical shutter
Shutter speed range:	4 - 1/2000
Autofocus system:	Rapid AF: a combination of a passive AF sensor with the video AF system
Autofocus areas:	3-Point Wide Focus Area Spot focus areas with Focus Area Selection
Focus modes:	Single-shot AF, Continuous AF with predictive focus control, Full-time AF, Manual focus. By pressing shutter-release button partway down.
Focus lock:	
Metering:	Multi-Segment, Centre-Weighted, Spot
Multi-segment metering:	256 segments
Exposure modes:	Programmed AE, Aperture Priority, Shutter Priority, Manual
Digital Subject Programs:	Automatic (Portrait, Sports action, Landscape, Sunset, Standard) Manual (Portrait, Sports action, Landscape, Sunset, Night Portrait.)
Exposure compensation:	±2 Ev in 1/3 Ev increments
AE lock:	By pressing shutter-release button partway down
Flash metering:	Pre-flash TTL
Flash range:	Wide: 0.5 – 4.6 m / 1.6 – 15.1 ft. (approx.) from front of lens Telephoto: 1.5 – 4.6 m / 4.9 – 15.1ft. (approx.) from front of lens



Flash modes: Autoflash, Autoflash with Red-Eye reduction, Fill flash, Flash cancel, Slow-shutter sync. Autoflash disabled with aperture priority, shutter priority, and manual exposure modes.

Flash recycling time: 5 s (approx.)

Flash compensation: ± 2 Ev in 1/3 Ev increments

Flash-sync speeds: All shutter speeds

Continuous advance: 1.0 fps (approx.)

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

Approximate number of frames that can be captured at one time with continuous-advance drive modes:

continuous advance				
	2560x1920	2048x1536	1600x1200	640x480
Fine	3 frames	3 frames	5 frames	28 frames
Standard	4 frames	7 frames	11 frames	45 frames
Economy	9 frames	13 frames	20 frames	64 frames

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

Progressive Capture: Stores images from the latest frame captured with the continuous advance.

Maximum number of images that can be recorded with the Progressive Capture mode:

Max. 6 frames (approx. 1 fps)
 Three frame bracket in 0.5, 0.3 Ev increments
 10 s, 2s (approx.)

Exposure bracketing:

Self-timer:

Movie: Recording time dependent on memory card capacity, image size, and frame rate.

Frame rate: 15fps (640x480, 320x240),
 30fps (320x240)

Movie frame capture,
 Night movie (automatic selection or disabled)



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- White balance control:** Automatic, Preset (Daylight, Cloudy, Tungsten, Fluorescent, FI Custom)
- Digital Effects Control:** Contrast compensation, Sharpness
- Contrast compensation:** Three levels (Low, Normal, High)
- Sharpness settings:** Three levels (Soft, Normal, Hard)
- Colour modes:** Natural Colour, Vivid Colour, Black and white, Sepia
- Digital zoom:** 4x (max.) in 0.1x increments
- Languages:** Japanese, English, Germany, French, Spanish, Chinese (Simplified character), Italian, Swedish
- Copy function:** To copy single or multiple images
1) Card to card 2) Card to internal storage
3) Internal storage to card
- E-mail Copy function:** Creates a compressed 640x480 JPEG image for transmission.
- Date imprinting:** Year/month/day (Format can be changed.)
Imprinting can be disabled
- Key customization:** The function activated by the flash-mode button can be changed.
- Image-quality modes:** Fine, Standard, Economy
- Number of recorded pixels (Still images):** 2560 x 1920, 2048 x 1536, 1600 x 1200, 640 x 480
- Number of recorded pixels (Movie clips):** 640x480, 320x240,
- Storage capacity:** Approximate storage capacity of a 14.5MB internal storage:

Still images				
	2560x1920	2048x1536	1600x1200	640x480
Fine	6 frames	9 frames	14 frames	71 frames
Standard	11 frames	17 frames	28 frames	103 frames
Economy	22 frames	33 frames	48 frames	155 frames
Movie clips				
	640 x 480		320 x 240	
30 fps	-		21 s	
15 fps	27 s		43 s	

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

Still images				
	2560x1920	2048x1536	1600x1200	640x480
Fine	25 frames	38 frames	61 frames	297 frames
Standard	49 frames	74 frames	117 frames	430 frames
Economy	94 frames	138 frames	203 frames	645 frames



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Movie clips		
	640 x 480	320 x 240
30 fps	-	1 minute 31 seconds
15 fps	1 minute 56 seconds	3 minutes 3 seconds

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

File formats:

JPEG, Motion JPEG (MOV)
DCF 2.0-compliant
DPOF-compliant (Supported by printing functions in ver. 1.1)
Exif 2.2

Folder name formats:

Standard, Date

Printing output control:

Exif Print, PRINT Image Matching III, PictBridge

Recording media:

SD (Secure Digital) Memory Cards, Multimedia Cards, Internal storage (approx. 14.5MB)

Computer interface:

Full-speed 12Mbps data transfer with USB 2.0 compatible computer

AV output:

NTSC, PAL (selected on the camera)

Batteries:

4x AA batteries: Alkaline, Ni-MH

Battery performance (Playback):

Approximate continuous playback time: 700 min. with alkaline batteries. (approx.)

Battery performance (Recording):

Approximate number of recorded images: 450 (approx.)

Conforming to CIPA (included AA alkaline batteries and SD memory card)

External power source:

6V DC with specified AC adapter (sold separately)

Dimensions:

109 (W) x 82(H) x 94(D) mm
4.3(W) x 3.2 (H) x 3.7 (D) in.

Weight:

300g / 10.6oz. (approx.) without batteries or recording media

Operating temperature:

0-40°C / 32-104°F

Standard accessories:

Neck Strap NS-DG800
Lens Cap LF-243B
Video Cable VC-400
USB Cable USB-3
DiMAGE Viewer CD-ROM
4x AA Alkaline batteries
AC Adapter AC-11
Camera Case CS-DG1000
Leather Neck Strap NS-DG1000
Wide Angle Converter ZCW-200

Optional accessories:

Specifications and accessories are based on the information available at the time of printing and are subject to change without notice.



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System Requirements

The following operating systems are compatible with the camera:

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 preinstalled Mac OS 9.0 – 9.2.2, Mac OS X v10.1.3 – 10.1.5, and v10.2.1 – 10.2.8, v10.3-10.3.6 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 the 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 Z20 package.

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