



KONICA MINOLTA

Technical Specifications

Number of effective pixels: 4.0 million

CCD: 1/2.5-type interline primary-colour CCD
Total pixels: 4.2 million

Camera sensitivity: Auto and 50,100, 200, and 400 ISO equivalents

Focal length: 5.83 – 69.9mm (35mm equivalent: 35 – 420mm)

Lens construction: 13 elements in 10 groups

Maximum aperture: f/2.8 – f/4.5

Minimum focus distance: Wide: 0.6m/2.0ft from front of lens

Telephoto: 2.0m/6.6ft from front of lens

Wide: 0.685m / 2.2ft from CCD

Telephoto: 2.085m/ 6.8ft from CCD

Minimum macro distance:

	Super Macro	Standard macro	
		Wide	Telephoto
Focal length	10.45mm*		
From front of lens	1 cm 0.4 in.	10cm 3.9 in	120cm 47.2 in
From CCD	9.5cm 3.7 in.	18.5cm 7.3in	128.5cm 50.6 in.

* at 10.45 mm only

Maximum magnification: 0.20x

Equivalent to 1.2x in 35mm format

Area covered at maximum magnification:

31 x 23mm /1.2 x 0.9 in.

Viewfinder type: Electronic viewfinder

0.3-type with a total of 118,000 pixels

LCD monitor:

3.8cm (1.5 inch) digital-interface TFT colour Total number of pixels: 78,000 (approx.)

Automatic monitor amplification

Field of view:

Viewfinder: 100% (approx.)

LCD monitor: 100 % (approx.)

Diopter control:

- 3 ~ +1m⁻¹

Eye relief: 20.8mm

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. 30 s)

Autofocus system: 2 - 1/1000 s in auto-recording and Digital Subject Programs

Video AF system

Autofocus areas: 5-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.

Single-shot AF, Continuous AF with predictive focus control, Full-time AF, Manual focus.

Focus lock: By pressing shutter-release button partway down.

By pressing shutter-release button partway down.



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- Metering:** Multi-segment, Center-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, Standard, Night portrait.)
- Exposure compensation:** ±2 Ev in 1/3 increments
- AE lock:** By pressing shutter-release button partway down
- Flash metering:** Pre-flash TTL
- Flash range:** Wide: 0.2 – 4.0 m / 0.7 – 13.1 ft. (approx.) from front of lens
Telephoto: 1.2 – 2.5 m / 3.9 – 8.2 ft. (approx.) from front of lens
(Camera sensitivity: auto)
- Flash modes:** Autoflash, Autoflash with red-eye reduction, Fill flash, Slow-shutter sync. Autoflash not available with aperture priority, shutter priority, and manual exposure modes.
Flash cancel by pushing the built-in flash down.
- 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/Maxxum Flash 2500 (D), Program/Maxxum 3600HS (D), Program/Maxxum Flash 5600HS (D)
- Continuous advance:**
 - UHS (Ultra High Speed) continuous advance: 10fps (approx.) (1280 x 960)
 - Standard continuous advance: 2.5 fps (approx.) (2272 x 1704)

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

UHS continuous advance	
1280x960	
Fine	15 frames
Standard	
Economy	



Standard continuous advance				
	2272x1704	1600x1200	1280x960	640x480
Fine	2 frames	5 frames	11 frames	60 frames
Standard	5 frames	6 frames	50 frames	97 frames
Economy	5 frames	51 frames	72 frames	115 frames

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

Progressive Capture:

Stores images from the built-in memory to the memory card from the latest frame captured with the continuous advance.

Maximum number of images that can be recorded with the

Progressive Capture mode:

UHS: 15 frames (10 fps)

Standard: 5 frames (2.5 fps) (2272 x 1704, Standard)

Three frame bracket in 1.0, 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, 30 fps

Audio: monaural

Optical zoom is ON in recording

Movie frame capture

Night movie (automatic selection or disabled)

White balance control:

Automatic, Preset (Daylight, Cloudy, Tungsten, Fluorescent, Flash), 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

Noise reduction:

User selectable dark noise reduction

Digital zoom:

4x (max.) in 0.2x increments

Copy function:

To copy single or multiple images to the same or another memory 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.



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Image-quality modes: Fine, Standard, Economy

Number of recorded pixels (Still images):
 2272 x 1704, 1600 x 1200, 1280 x 960, 640 x 480
 1280 x 960 in UHS continuous-advance mode

Number of recorded pixels (Movie clips):
 640x480, 320x240

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

Still images				
	2272x1704	1600x1200	1280x960	640x480
Fine	6 frames	14 frames	23 frames	50 frames
Standard	14 frames	23 frames	38 frames	67 frames
Economy	27 frames	41 frames	53 frames	100 frames
Movie clips				
	640x480	640x480	320x240	
	FINE	Standard	Standard	
30 fps	9 s	14 s	30 s	
15 fps	19 s	28 s	58 s	

* Movie clips recorded with audio.
 * Actual number of images may vary depending upon the subject and memory card used.

File formats: JPEG, Motion JPEG (MOV): with audio
 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 II, PictBridge

Recording media: SD (Secure Digital) Memory Cards, Multimedia Cards

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

AV output: NTSC, PAL (selected on the camera)

Anti-shake system: CCD-shift Anti-Shake system User selectable

Batteries: Four AA batteries: Alkaline, Ni-MH

Battery performance (Playback):
 Approximate continuous playback time: 220 min.
 (approx.) with alkaline batteries.

Battery performance (Recording):
 Approximate number of recorded images: 170 (approx.)



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Conforming to CIPA (included 4X AA alkaline batteries, included SD memory card)

External power source:

6V DC with specified AC adapter (sold separately)

Dimensions:

108.5 (W) x 80.0(H) x 83.5(D) mm

4.3(W) x 3.1 (H) x 3.3 (D) in.

Weight:

335g / 11.8oz. (Approx.) without batteries or recording media

Operating temperature:

0-40°C / 32-104°F

Standard accessories:

Neck Strap NS-DG7000

Lens Cap LF-243 set

Accessory Shoe Cap SC-1000

AV Cable AVC-700

16MB SD (Secure Digital) Memory Card

USB Cable USB-2

DiMAGE Viewer CD-ROM

ArcSoft VideoImpression™ 2 CD-ROM (for Windows only)

Four AA Alkaline batteries

AC Adapter AC-1L or AC-11

Camera Case CS-DG1000

Leather Neck Strap NS-DG1000

Wide-Angle Converter ZCW-300 kit

Adapter ring for attaching filter/converter ZCA-300

PROGRAM FLASH 3600HS (D), 5600HS (D), 2500(D)

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

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 pre-installed Mac OS 9.0 – 9.2.2, Mac OS X v10.1.3 – 10.1.5, and v10.2.1 – 10.2.8, v10.3-10.3.3 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 with Windows 98 and Windows 98 Second Edition must install dedicated driver software included in the DiMAGE Z3 package.

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