

KONICA MINOLTA DiIMAGE X31 DIGITAL CAMERA

Specifications

Number of effective pixels	3.2 million
CCD	1/3.2-type interline primary-color CCD Total pixels: 3.3 million
Camera sensitivity	Automatic (between ISO 50 - 200 equivalent)
Focal length	4.7 – 14.1mm (35mm equivalent: 36 – 108mm)
Lens construction	10 elements in 9 groups
Maximum aperture	f/2.8 – f/3.7
Minimum focus distance	3.9 in. (0.1m) from front of camera
Maximum magnification	0.1x (1:10) Equivalent to 0.86x (1: 1.16) in 35mm format
Area covered at maximum magnification	1.61 x 1.22 in. (41 x 31 mm)
Monitor LCD	1.5 inch (3.8cm) TFT color monitor Total pixels: Approximately 76,000
Shutter	CCD electronic shutter and mechanical shutter
Shutter speed range	4 - 1/500 seconds
Autofocus system	Video AF
Autofocus areas	Center focus area
Metering	Multi-segment
Multi-segment metering	256 segments
Exposure control	Programmed AE
Exposure compensation	±2 EV in 1/3 increments
Flash range	Wide: Approximately 0.7 – 11.8 ft. (0.2 – 3.6m) Telephoto: Approximately 0.7 – 8.9 ft. (0.2 – 2.7m) (Camera sensitivity: auto)
Flash modes	Autoflash, Autoflash with red-eye reduction, Fill-flash, Flash cancel, Night portrait
Continuous advance	Available
Self-timer	Approximately 10 seconds
Multi frame	To capture 9 sequential images in a 3x3 grid in a single frame
Special effects	Frame, Border, Side by side
Movie recording	Recording time dependent on memory card capacity. Frame rate: 15 frames per second
Audio	None
White balance control	Automatic, Preset (Daylight, Cloudy, Tungsten, Fluorescent)
Color modes	Color, Black and white, Sepia, Posterization, Soft focus
Noise reduction	Auto
Digital zoom	4x (maximum) Digital zoom can be disabled.
E-mail Copy function	Creates a compressed 640x480 JPEG image for transmission.
Date imprinting	Year/month/day (Format can be changed.) Month/day/hour:minute (Format can be changed.) Imprinting can be disabled.

Image-quality and Number of recorded pixels (Still images)	2048 x 1536 Fine, 2048 x 1536 Standard, 1600 x 1200 Standard, 1280 x 960 Standard, 640 x 480 Standard
Number of recorded pixels (Movie clips)	320 x 240, 160 x 120
Storage capacity	Approximate storage capacity of a 8MB SD (Secure Digital) Memory Card: 2048x1536 Fine - 3 frames 2048x1536 Standard - 6 frames 1600x1200 Standard - 11 frames 1280x960 Standard - 16 frames 640x480 Standard - 42 frames Movie (320x240) - 21 seconds Movie (160x120) - 1 minute 26 seconds <i>** Actual number of images may vary depending upon the subject and memory card.</i>
File formats	JPEG, Motion JPEG (MOV) DCF 1.0-compliant DPOF-compliant (Supported by printing functions in version 1.1) Exif 2.2
Folder name formats	Standard, Date
Printing output control	Exif Print , PRINT Image Matching II
Recording media	SD (Secure Digital) Memory Cards, MultiMediaCards
Computer interface	USB Full-speed 12Mbps data transfer with USB 2.0 compatible computer
Direct print	PictBridge
Battery	Two AA batteries (alkaline, Ni-MH)
Battery performance (Playback)	Approximate continuous playback time: 80 minutes Based on Konica Minolta's standard test method with standard batteries (two AA alkaline batteries)
Battery performance (Recording)	Approximate number of recorded images: 90 frames. Based on CIPA (Camera & Imaging Products Association) measurements, when using standard batteries (two AA alkaline batteries) and standard memory card (SD, 8MB)
External power source	3V DC with specified AC adapter (sold separately)
Dimensions (WxHxD)	3.39 x 2.64 x 0.96* in.(86 x 67 x 24.5* mm) <i>*0.85 inch (21.5 mm) except the LCD monitor</i>
Weight	Approximately 4.1 oz. (115 g) without battery or recording media
Operating temperature	32-104°F (0-40°C)
Standard accessories	Two AA alkaline batteries, Hand Strap HS-DG120, USB Cable USB-500, 16MB SD (Secure Digital) Memory Card, DiMAGE Viewer CD-ROM
Optional accessories	AC Adapter 6L, Deluxe Case for DiMAGE X Series, Casual Case for DiMAGE X Series, Metal Chain Neck Strap NS- DG100

System Requirements

Compatible computers when the camera is used as a data storage device:

IBM PC/AT compatible computers with Windows XP (Home/Professional), Windows Me, Windows 2000 Professional, Windows 98*, or Windows 98 Second Edition*; and with a USB port as standard interface. *Users with Windows 98 and Windows 98 Second Edition operating systems must install dedicated driver software included in the DiMAGE X31 package.

Apple Macintosh computers with pre-installed Mac OS 9.0 - 9.2.2, Mac OS X v10.1.3 - 10.1.5, v10.2.1 - 10.2.8, v10.3 - 10.3.3; and with a USB port as standard interface.

- * 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.

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Specifications, system requirements, and accessories are subject to change without notice.

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