

# KONICA MINOLTA DiMAGE X50 DIGITAL CAMERA

## *Specifications*

<b>Number of effective pixels</b>	5.0 million
<b>CCD</b>	1/2.5-type interline primary-color CCD Total pixels: 5.4 million
<b>Camera sensitivity</b>	Automatic (between ISO 50 - 160 equivalent), ISO 50,100, 200, 400
<b>Focal length</b>	6.1 – 17.1mm (35mm equivalent: 37 – 105mm)
<b>Lens construction</b>	11 elements in 9 groups
<b>Maximum aperture</b>	f/2.8 – f/5.0
<b>Minimum focus distance</b>	4 in. (0.10m) from front of camera 2.4 in. (0.06m) (Super Macro)
<b>Maximum magnification</b>	0.1x (1:10) Equivalent to 0.82x (1: 1.22) in 35mm format
<b>Area covered at maximum magnification</b>	1.63 x 1.25 in. (42.3 x 31.8mm)
<b>Viewfinder type</b>	Optical real-image zoom viewfinder
<b>Monitor LCD</b>	2.0 inch (5.2cm) digital-interface TFT color monitor with anti-reflection coating Total pixels: Approximately 115,000
<b>Shutter</b>	CCD electronic shutter and mechanical shutter
<b>Shutter speed range</b>	4 - 1/1000 seconds
<b>Autofocus system</b>	Video AF
<b>Autofocus areas</b>	Wide focus area (five-point AF) Spot focus area
<b>Metering</b>	Multi-segment, Spot
<b>Multi-segment metering</b>	256 segments
<b>Exposure control</b>	Programmed AE
<b>Automatic Digital Subject Program Selection</b>	Portrait, Sports action, Landscape, or Sunset is automatically selected (Manual selection is also possible) Night portrait/Night view, Super Macro, Text is set manually only.
<b>Exposure compensation</b>	±2 EV in 1/3 increments
<b>Flash range</b>	Wide: Approximately 0.7 – 10.5 ft. (0.2 – 3.2m) Telephoto: Approximately 0.3 – 5.9 ft. (0.1 – 1.8m) (Camera sensitivity: auto)
<b>Flash modes</b>	Autoflash, Autoflash with red-eye reduction, Fill-flash, Flash cancel
<b>Continuous advance</b>	Available, Speed: Approximately 1.9 frames per second*
<b>UHS (Ultra High Speed)</b>	Available, Speed: Approximately 11 frames per second*(1280 x 960) * Actual speed may vary depending upon the subject and camera settings.
<b>Self-timer</b>	Approximately 10 seconds
<b>Multi frame</b>	To capture 9 sequential images in a 3x3 grid in a single frame
<b>Image pasting</b>	Embeds an image within another image

Movie recording	Recording time dependent on memory card capacity. Frame rate: 15 frames per second , 30 frames per second Night Movie, Movie frame capture, Movie clip capture					
Audio	Audio recording: Maximum 180 minutes* *128MB MB memory card is required. Voice memo: Maximum 15 seconds Audio caption: Maximum 15 seconds Monaural audio only					
White balance control	Automatic, Preset (Daylight, Cloudy, Tungsten, Fluorescent)					
Color modes	Color, Black and white, Sepia					
Noise reduction	User selectable					
Digital zoom	Maximum 4.3 x Digital zoom can be disabled.					
E-mail Copy function	Creates a compressed 640x480 JPEG image for transmission.					
Crop frame	Trims parts of captured still pictures and save the image as a separate file.					
Date imprinting	Year/month/day (Format can be changed.) Month/day/hour:minute (Format can be changed.) Imprinting can be disabled.					
Image-quality modes	Fine, Standard, Economy					
Number of recorded pixels (Still images)	2560 x 1920, 2048 x 1536, 1600 x 1200, 640 x 480, 1280 x 960 (UHS Continuous advance)					
Number of recorded pixels (Movie clips)	320 x 240					
Storage capacity	Approximate storage capacity of a 16MB SD (Secure Digital) Memory Card:					
		2560x1920	2048x1536	1600x1200	640x480	1280x960 (UHS)
	Fine*	5 frames	8 frames	14 frames	68 frames	21 frames
	Standard*	11 frames	17 frames	27 frames	99 frames	38 frames
	Economy*	21 frames	31 frames	47 frames	148 frames	68 frames
	Movie (320x240)	15 frames per second: 41 seconds 30 frames per second: 21 seconds				
	Audio recording	30 minutes 28 seconds				
	* Still images recorded without voice memo or audio caption ** Actual number of images may vary depending upon the subject and memory card.					
File formats	JPEG, Motion JPEG (MOV), WAVE 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					

<b>Menu languages</b>	Japanese, English, German, French, Spanish, and Chinese (Simplified)
<b>Recording media</b>	SD (Secure Digital) Memory Cards, MultiMediaCards
<b>Computer interface</b>	USB Full-speed 12Mbps data transfer with USB 2.0 compatible computer
<b>Direct print</b>	PictBridge
<b>Remote camera</b>	Live images without audio viewed with a computer
<b>Battery</b>	One NP-700 lithium-ion battery
<b>Battery performance (Playback)</b>	Approximate continuous playback time: 170 minutes <i>Based on Konica Minolta's standard test method with NP-700 lithium-ion battery</i>
<b>Battery performance (Recording)</b>	Approximate number of recorded images: 150 frames. <i>Based on CIPA (Camera &amp; Imaging Products Association) measurements, when using standard battery (Lithium-ion battery) and standard memory card (SD, 16MB)</i>
<b>External power source</b>	4.7V DC with specified AC adapter (sold separately)
<b>Dimensions (WxHxD)</b>	3.28 x 2.44 x 0.93 inches (83.5 x 62 x 23.5mm)
<b>Weight</b>	Approximately 4.4 oz. (125 g) without battery or recording media
<b>Operating temperature</b>	32-104°F (0-40°C)
<b>Standard accessories</b>	Lithium-ion Battery NP-700, Lithium-ion Battery Charger BC-800, Hand Strap HS-DG130, USB Cable USB-3, 16MB SD (Secure Digital) Memory Card, DiMAGE Viewer CD-ROM
<b>Optional accessories</b>	AC Adapter set AC-4, Metal Chain Neck Strap NS-DG100, Deluxe Case for DiMAGE X Series, Casual case for DiMAGE X Series, Marine Case MC-DG400, O-Ring set OR-GS400 (Replacement for MC-DG-400)

## KONICA MINOLTA DiMAGE X50 MARINE CASE

### *Specifications*

<b>Maximum depth (underwater)</b>	131 ft. (40m)
<b>Weight</b>	8.5 oz. (240g) (Case only)
<b>Dimensions (WxHxD)</b>	4.82 x 3.52 x 2.13 in. (122.5 x 89.5 x 54mm) (excluding protrusions)
<b>Standard accessories</b>	Hand strap, O-ring grease, Desiccant
<b>Optional accessories</b>	O-ring set

### System Requirements

Compatible computers when the camera is used as mass 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.

Apple Macintosh computers with preinstalled 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.

\* *Users with Windows 98 and Windows 98 Second Edition operating systems must install dedicated driver software included in the DiMAGE X50 package.*

**Minimum system requirements for the remote camera function:**

<b>Computers</b>	IBM PC/AT compatible computers with a USB port as standard interface
<b>CPU</b>	Pentium II 300MHz or later processor (*1)
<b>Operating systems</b>	Windows XP (Home/Professional), Me, 2000 Professional, or 98 Second Edition
<b>RAM</b>	128 MB of RAM. 256 MB with Windows XP. (*1)
<b>Hard-disk space</b>	Approximately 200 MB of free hard-disk space
<b>Monitor</b>	800 x 600 monitor capable of displaying 16-bit color quality.
<b>Tested applications</b>	Microsoft NetMeeting, Windows Messenger (*2)
<b>Other</b>	CD-ROM drive

\*1 *The CPU and RAM must satisfy the requirements of the operating system.*

\*2 *The application software must be guaranteed by the manufacturer to work with the operating system.*

- 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.

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

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