



KONICA MINOLTA

PRODUCT ANNOUNCEMENT



DiMAGE Z5

A High-Performance 5.0-Megapixel CCD Digital Camera with CCD-Shift Anti-Shake System, 12X Optical “Mega Zoom”, Fastest-in-Class*¹ Rapid AF, and Large, Easy-to-View 2.0-inch LCD

The DiMAGE Z5 is a superb all-round digital camera that offers 12X optical Mega Zoom, a proprietary Anti-Shake System, 5.0-megapixel CCD, fast overall response including Rapid AF, and a large 2.0-inch LCD to ensure you see it all clearly. All of these features combine to ensure that you won't miss a photo opportunity and that the subjects of your photos are big, beautiful, and shake-free.

The DiMAGE Z5's 12X optical zoom and 4X digital zoom combine for a total 48X zoom. Konica-Minolta's proprietary CCD-shift Anti-Shake System—the same one used on the top-of-the-line Maxxum 7D, and DiMAGE A200 models—is particularly effective at such high zoom levels. It allows the photographer to shoot with shutter speeds four to eight times longer (2-3 stops*²) than when shooting without an Anti-Shake function. It also works to give steady, shake-free images of evening or other dimly lit shots, which are susceptible to shaking because

of their slow shutter speed. This means significantly less shaking even without a flash or tripod.

To ensure that you don't miss those beautiful images, the DiMAGE Z5 has a Rapid AF that's the fastest*¹ autofocus for digital cameras with predictive focus control. Focusing in a mere 0.2 second (approx.) at wide angle and only 0.3 second (approx.) at telephoto, it's ideal for capturing any subject, moving or still.

The DiMAGE Z5 has everything you need to take high-quality pictures: 5.0-megapixel CCD, high-performance GT APO lens, and Konica Minolta's proprietary CxProcess™ III image processing technology, which gives you images as beautiful as those you see with your own eyes.

The camera also boasts a large, easy-to-view 2.0-inch LCD monitor which makes navigating menus easier and allows you to see exactly what you're shooting.

In addition to Rapid AF, the DiMAGE Z5 has fast startup, short shutter release time lag, Ultra-High-Speed Continuous Advance, Progressive Capture, and Real Motion monitor for smooth display on the LCD. All of these combine to let the user capture any subject, no matter how fleeting, on the spur of the moment, and not miss a photo opportunity.

The DiMAGE Z5 takes high-quality, high-resolution VGA movies that look as good as TV images. And, these movies are also shake-free thanks to the Anti-shake function. The DiMAGE Z5 fits its 12X optical Mega Zoom and large 2.0-inch LCD into a compact body. With a design that's easy to hold and an LCD that's easy to view, you'll have a secure grip and a clear view to beautiful pictures.

Product Highlights

- 12X optical Mega Zoom and 4X digital zoom for 48X total zoom; complemented with CCD-shift Anti-Shake System
- Fastest-in-class*¹ Rapid AF with Predictive Focus Control
- High-quality pictures with 5.0-megapixel CCD, Konica Minolta GT APO lens, and CxProcess™ III image processing technology
- High-resolution, shake-free VGA movies that look as good as TV images
- Ease of operation with large 2.0-inch LCD, compact body, and fast response
- Super Macro mode for shooting subjects as close as 1 cm from the lens
- 26mm wide-angle shooting (35mm equivalent) with the optional Wide-angle Converter ZCW-300

Features

Incredible 48X Total Zoom Range

Combining the 12X optical zoom with the 4X digital zoom gives you a 48X total zoom, ideal for taking distance shots at sports events or when capturing far-away scenery. This incredible optical zoom delivers a focal range equivalent to a 35-420mm range on a 35mm camera lens. With the digital zoom, total zoom is equivalent to 35-1680mm (35mm equivalent).

CCD-Shift Anti-Shake Function

The DiMAGE Z5 uses Konica-Minolta's proprietary CCD-shift Anti-Shake function, convenient for telephoto shots and dimly lit situations. Anti-Shake compensates to minimize the effect of camera shake, allowing you to shoot with shutter speeds four to eight times longer (2-3 stops) than on cameras without an Anti-Shake function. The DiMAGE Z5 can correct shaking without increasing shutter speed or raising ISO sensitivity, factors that increase image noise. The CCD-shift method doesn't require extra correction lenses like optical anti-shake systems, so the DiMAGE Z5's body remains compact and light. The DiMAGE Z5's Anti-Shake system is effective in correcting both the fine movement of pressing the shutter-release button and the larger and slower movements of the user's body.

Rapid AF is Fastest in Class*¹ for Autofocus (AF)

The DiMAGE Z5 focuses in a mere 0.2 second (approx.) at wide angle and only 0.3 second (approx.) at telephoto. In Continuous AF, the DiMAGE Z5 includes Predictive Focus

Control, which allows you to capture sharper images of moving subjects—like a child running at full speed. When it comes to fast and reliable autofocusing, the DiMAGE Z5 is clearly ahead of the pack.

The DiMAGE Z5 also offers improved AF accuracy through 5-point Area AF, which gives five focus areas that overlap horizontally and thus reduce AF failures that occur when subjects appear in between focus areas and cause a perspective conflict.

5.0-Megapixel CCD for Beautiful Prints

The 5.0-megapixel, 1/2.5-inch CCD produces plenty of detail for creating high-quality enlargements as big as 21.7x16.3 cm at 300-dpi print resolution. In addition, the CCD's primary color filter offers high color fidelity.

Konica Minolta GT APO Lens

The DiMAGE Z5 employs a high-performance lens system that supports CCDs with 5 million effective pixels. The optical lens system consists of 13 elements in 10 groups and includes two AD (anomalous dispersion) glass lenses and two aspheric elements, a construction that adds up to sharp, high-quality images. Multi-coating on 14 lens surfaces ensures minimal flaring and ghosting in all zoom ranges. A 5-vane iris diaphragm beautifully reproduces a near-circular fading effect.

Superbly Detailed Images with CxProcess™ III

The DiMAGE Z5 incorporates CxProcess™ III, the latest evolution of Konica Minolta's proprietary image processing technology. This means even higher resolution and the ability to capture the subtlest details of texture, resulting in photos that look as natural as the subject itself.

High-quality Movies as Beautiful as TV Images

The DiMAGE Z5 takes movies in VGA size (640x480) at 30 fps for smooth video with sound rivaling TV images. You can also choose from other movie image sizes. The Anti-Shake function also works with the movie function to give shake-free telephoto movies. The XR (Extended Recording) Movie function lets you record movie clips onto the SD memory card as long as it has the capacity. With Night Movie, the DiMAGE Z5 can record in extreme low-light conditions.

The Select Shot function allows you to make stills from movie clips, while the Movie Editing function allows you to cut unwanted parts from movie files.

Large, Easy-to-View 2.0-inch LCD

The DiMAGE Z5's 2.0-inch LCD gives you the big picture. The large screen makes it easier to take pictures, easier to play back stills and movie clips, and easier to navigate menus.

Get as Close as 1 cm with Super Macro

Shoot amazing close-ups in either Macro or Super Macro modes. Whichever mode you choose, Konica Minolta's superior image quality will make your close-ups look stunning and powerful. In Super Macro mode, you can bring the lens as close as 1 cm from your subject.

Real Motion LCD Monitor

The DiMAGE Z5 features the Real Motion LCD monitor, which delivers crystal clear images. The smooth, realistic movement displayed on the monitor makes it ideal for shooting moving subjects.

UHS (Ultra High Speed) Continuous Shooting

The DiMAGE Z5 captures 20 images at 10 fps (approx.) at an image size of 1024x768 in UHS (Ultra High Speed) continuous shooting. This function is convenient for situations where you need to capture and study your form in continuous movement, such as with a golf swing.

Progressive Capture

With the DiMAGE Z5 in Progressive Capture mode, the last several images in the sequence—as many as 20 images at 10 fps (approx.) at an image size of 1024x768—get saved when you stop pressing the shutter-release button. So when shooting fast-moving subjects, Progressive Capture ensures that they are recorded when and where you want them. These functions are handy for shooting sports events or for recording and improving your form in personal sports training situations.

Noise Reduction

Noise Reduction gives exceptional night images by automatically preventing the blemishes and graininess associated with slow-shutter shots.

PASM Exposure Control and Metering Modes

The DiMAGE Z5 offers incredible control over exposure. There are four modes: Program, Aperture Priority, Shutter Priority, and Manual. The DiMAGE Z5 has three metering modes: Multi-segment, Center-weighted, and Spot. Multi-segment metering uses 256 segments to determine exposure.

Automatic Digital Subject Program Selection

Automatic Digital Subject Program Selection automatically chooses the best recording mode for your images. You can also manually select from Portrait, Sports action, Landscape, Sunset and Night portrait modes. Either way, this convenient function enables you to take fabulous photos with ease.

Key Customize

For added flexibility and convenience, the flash button can be customized to handle different settings. This means that instead of going through the menus on the LCD, you can use the flash button to change settings like the drive mode, white balance, focus mode, color mode, or sensitivity.

PictBridge*³-Compliant

Forget all about complicated connections with a PC. Get fast, fun printouts directly from your camera by connecting the Z5 to a PictBridge*³-compliant printer. You can check which images you want to print on the Z5's LCD monitor and then print out your favorites in no time at all.

Ergonomic Design

The DiMAGE Z5's design is advanced yet familiar and easy-to-use. Despite its high 12X zoom range and large 2.0-inch LCD, it weighs just approximately 340 g. It's also easy to tote and operate even for camera novices. The ergonomic form makes it easy to keep on holding even for those steady zoom shots.

Optional Wide Converter (Wide-angle Converter ZCW-300 Kit)

The optional Wide-angle Converter Kit allows you to fit more of the scene into each shot. The lens has a 26mm wide angle that's ideal for capturing indoor or outdoor architecture and panoramic landscape shots.

Compatible with Optional Flashes

The Z5 is equipped with a flash unit that will literally light up your pictures. But if you need even more flash power, consider the Konica Minolta Program/Maxxum Flash 3600HS(D), 5600HS(D), or 2500(D). All of these incredibly versatile and powerful flash units are compatible with the DiMAGE Z5.

*1 As of November 20, 2004, for 5.0-megapixel-class digital cameras with built-in lens system and 10X or greater zoom. Based on Konica Minolta's standard test method.

*2 Depends on the shooting conditions.

*3 PictBridge is an industry standard established by the Camera & Imaging Products Association (CIPA).

Contact: Michelle Laforge
Marketing Manager
Konica Minolta Photo Imaging Canada, Inc.
1329 Meyerside Drive
Mississauga, ON L5T 1C9
Phone: 905-565-7636
E-mail: michellel@ph.konicaminolta.ca

Technical Specifications

Number of Effective Pixels	5.0 million			
CCD	1/2.5-type interline primary-colour CCD			
Total Pixels	5.2 million			
Camera Sensitivity	Auto and 50, 100, 200, 320 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: 1.6m / 5.2ft. from front of lens			
Minimum Macro Distance		Super Macro	Standard Macro	
	Focal Length	10.45mm*	Wide	Telephoto
	From front of lens	1cm / 0.4 in.	10cm/ 3.0 in.	120cm / 47.2 in
	* at 10.45mm only			
Maximum Magnification	0.20x (Equivalent to 1.2x in 35mm format)			
Area Covered at Max. Mag.	31 x 23mm / 1.2 x 0.9 in.			
Viewfinder Type	Electronic viewfinder; 0.33-inch with a total of 114. pixels			
LCD Monitor	2.0 inch digital-interface TFT colour			
Total Number of Pixels	114,000 (approx.)			
Field of View				
Viewfinder	100% (approx.)			
LCD Monitor	100% (approx.)			
Diopter Control	-3 to +1m ⁻¹			
Eye Relief	16.9mm			
Shutter	CCD electronics shutter and mechanical shutter			
Shutter Speed Range	4 – 1/1000s			
Autofocus System	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			
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, 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 – 3.6m / 0.7 – 11.8ft (approx.) from front of lens Telephoto: 1.2 – 2.2m / 3.9 – 7.2ft (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: 10 fps (approx.)			

	(1024 x 768) Standard Continuous Advance: 2.2 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 the continuous-advanced drive modes:
	UHS Continuous Advance
	1024x768
	Fine
	Standard
	Economy
	Max. 20 frames
	Standard Continuous Advance
	2560x1920 2048x1536 1600x1200 640x480
	Fine * 3 frames 4 frames 6 frames 38 frames
	Standard 6 frames 9 frames 17 frames 122 frames
	Economy 8 frames 18 frames 38 frames 143 frames
	* 2.0 fps (approx.) 2560x1920 Fine * 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: 20 frames (approx. 10 fps) 1024x768
Exposure Bracketing	Three frame bracket in 0.5, 0.3 Ev increments
Self-timer	10s, 2s (approx.)
Movie	Recording time dependent on memory card capacity, image size and frame rate.
No. of recorded pixels	640x480 Fine, 640x480 Standard, 320x240 Standard
Frame Rate	15fps, 30 fps
Audio	Monaural
	Optical zoom is ON in recording; Movie frame capture; Movie editing; 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, Vivid, Black and white, Sepia
Noise Reduction	Available (Auto)
Digital Zoom	4x (max.) in 0.2x increments
Languages	Japanese, English, German, French, Spanish, Chinese (simplified character), Italian, Swedish
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
Image-quality Modes	Fine, Standard, Economy
Number of Recorded Pixels Still Images	2560x1920; 2048x1536; 1600x1200; 640x480 1024x768 in UHS Continuous-advance mode and Progressive Capture mode
Movie Clips	640x480; 320x240
Storage Capacity	Approximate storage capacity of a 16MB SD (Secure Digital)

	Memory Card			
	Still Images			
	2560x1920	2048x1536	1600x1200	640x480
Fine	4 frames	7 frames	12 frames	67 frames
Standard	9 frames	15 frames	22 frames	101 frames
Economy	18 frames	26 frames	37 frames	142 frames
	Movie Clips			
	640x480 Fine	640x480 Standard	320x240 Standard	
30 fps	9 s	14 s	29 s	
15 fps	18 s	28 s	57 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 III, 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, NiMH			
Battery Performance				
Playback	Approximate continuous playback time: 240 min. (approx.) with alkaline batteries			
Recording	Approximately number of recorded images: 240 (approx.) Conforming to CIPA (included AA alkaline batteries, included SD memory card)			
External Power Source	6V DC with specified AC adapter (sold separately)			
Dimensions (WxHxD)	108.5 x 80.0 x 84mm / 4.3 x 3.1 x 3.3 in.			
Weight	340g / 12.0oz (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; Four AA Alkaline batteries			
Optional Accessories	AC Adapter 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/Maxxum Flash 3600HS (D), 5600HS (D), 2500(D)			

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

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 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 Z5 package.

System requirements are based on the latest information available at the time of printing and are subject to change without notice.

DiMAGE, CxProcess are trademarks or registered trademarks of KONICA MINOLTA Photo Imaging, Inc.

Windows is either a registered trademark or a trademark of Microsoft Corporation in the United States and/or other countries. Macintosh is a trademark or registered trademark of Apple Computer Inc. Other corporate names and product names are trademarks or registered trademarks of their respective companies.