

Backgrounder

6.0-Megapixel Konica Minolta Digital Camera: The DiMAGE Z6

Product Highlights

- 6.0 effective megapixels, Konica Minolta GT APO lens, and CxProcess™ III image processing technology deliver images in amazing detail
- Built-in 12x optical Mega Zoom lens and 4x digital zoom for a total zoom range of 48x
- Konica Minolta's Anti-Shake system
- Superior battery performance
- Rapid autofocus (AF) offers great autofocus speed with Predictive Focus Control
- Progressive Capture mode ensures high-speed shooting of fast-moving subjects even at maximum resolution (2,816 x 2,112 pixels)
- Super Macro mode for shooting subjects as close as 0.4 inches from the lens
- A large, easy-to-view 2.0-inch LCD monitor

Features

6.0 Effective Megapixels for High-Resolution Images

Approximately 6.0 effective megapixels, 1/2.5-type CCD produces plenty of detail for creating photo-quality enlargements as big as 238 x 179 mm at 300-dpi print resolution. In addition, the CCD's primary color filter provides high color fidelity.

CCD-shift Anti-Shake System

The DiMAGE Z6 uses Konica Minolta's proprietary CCD-shift Anti-Shake system, convenient for telephoto shots and dimly lit situations. This Anti-Shake system compensates to minimize the effect of camera shake, allowing users to shoot with shutter speeds four to eight times longer (2-3 stops) than on cameras without this technology. The DiMAGE Z6 can correct camera-shake without increasing the shutter speed, or raising the ISO sensitivity, which can increase noise. The CCD-shift method doesn't require extra correction lenses like optical image stabilization systems, so the DiMAGE Z6's body remains compact and light. The DiMAGE Z6's Anti-Shake system is effective in correcting both the fine movement caused by pressing the shutter-release button and the larger and slower movement from the user's body.

Konica Minolta GT APO Lens

The DiMAGE Z6 employs a high-performance lens system that supports a CCD with 6.0 effective megapixels. The lens system consists of 13 elements in 10 groups and includes two AD (anomalous dispersion) glass and two aspheric elements, a construction that adds up to sharp, high-quality images. Multi-coating on lens surfaces ensures minimal flaring and ghosting throughout its zoom range. And, a five-blade aperture beautifully reproduces near-circular images of out of focus specular highlights.

Incredible 48x Total Zoom Range

Combining the built-in 12x optical zoom lens with the 4x digital zoom gives photographers a total zoom range of 48x, ideal for taking shots over long distances at sporting events or when

capturing distant landscapes. This incredible optical zoom lens delivers a focal range equivalent to a 35mm – 420mm lens on a 35mm camera lens. With the digital zoom, the total zoom range is equivalent to 35mm - 1,680mm on a 35mm camera.

Rapid AF with Predictive Focus Control

The Konica Minolta DiMAGE Z6 focuses in approximately 0.2 second at the wide-angle zoom position and approximately 0.3 second at the telephoto zoom position. In Continuous AF focus mode, Predictive Focus Control allows photographers to accurately capture moving subjects—like a child running towards them at full speed.

The DiMAGE Z6 also offers AF accuracy through 5-point Area AF, which arrays five focus areas horizontally and thus reduces the chance of focusing on the background mistakenly.

Superior Battery Performance

Picture-taking fun lasts even longer when using four rechargeable Ni-MH batteries (2500mAh) that can power the camera for up to approximately 420 shots. In addition, the DiMAGE Z6 is fully compatible with widely available alkaline batteries, which provides a shooting capacity of approximately 240 shots per battery set.

Progressive Capture

With the DiMAGE Z6 in Progressive Capture drive mode, the last several images in a sequence—as many as 10 images at 1.8 frames per second regardless of image size or quality — are saved when users stop pressing the shutter-release button. So when shooting fast-moving subjects, Progressive Capture mode ensures that the images are recorded when the photographer wants them.

Get as Close as 0.4 inches with Super Macro

The DiMAGE Z6 allows photographers to shoot amazing close-ups in either Macro or Super Macro modes. Whichever mode a photographer chooses, Konica Minolta's superior image quality will make close-up shots look stunning and sharp. In Super Macro mode, users can bring the lens as close as 0.4 inches from a subject.

Large, Easy-to-View 2.0-inch LCD Monitor

The DiMAGE Z6's 2.0-inch LCD monitor makes it easier to take and view pictures, easier to play back stills and movie clips, and easier to navigate menus.

Superbly Detailed Images with CxProcess™ III

The DiMAGE Z6 incorporates Konica Minolta's proprietary CxProcess™ III image-processing technology that allows photographers to capture the subtlest details of texture, resulting in photos that look as natural as the subject itself.

Noise Reduction

Noise Reduction provides exceptional night images by automatically controlling the graininess caused by long exposures.

PASM Exposure Control and Metering Modes

The DiMAGE Z6 offers incredible control over exposure. There are four modes: Program, Aperture Priority, Shutter Priority, and Manual. The DiMAGE Z6 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 a photographer's images. Users can also manually select from Portrait, Sports action, Landscape, Sunset and Night portrait modes.

Movie Capturing

The Konica Minolta DiMAGE Z6 captures QVGA-size movies (320x240 pixels) at 30 frames per second resulting in smooth video with sound. The camera's Anti-Shake system also works to provide shake-free telephoto movies. The camera's movie function lets users record movie clips onto the camera's SD Memory Card. The length of a movie clip is only limited by the space on the memory card. A Night Movie mode allows the DiMAGE Z6 to record video in low-light conditions. The camera's frame-capture function allows photographers to grab a still from a movie clip, while the Movie Editing function lets users cut unwanted parts from a clip. And, even while recording movie clips, photographers can take full advantage of the DiMAGE Z6's optical zoom lens.

Custom Key Function

For added flexibility and convenience, different functions can be assigned to the camera's flash-mode button. This means that instead of going through the camera menus, users can use the flash-mode button to change settings like the drive mode, white balance, focus mode, color mode, or camera sensitivity.

PictBridge*²-Compliant

Get fast, beautiful prints directly from the Konica Minolta DiMAGE Z6 by connecting the camera to a PictBridge*²-compliant printer. Users can check which images they want to print on the DiMAGE Z6's LCD monitor and then print out their favorites instantly without the use of a computer.

Useful Software

The Digital Camera Software CD-ROM in the kit includes the following software.

- Kodak EasyShare software: Manage images with a convenient user interface that even beginners can navigate with little or no experience.
- DiMAGE Master Lite software: Powerful but simple image-processing tools help users create stunning images. The software's color-matching feature ensures that the image a photographer sees is reproduced accurately by their computer monitor and printer.

Optional Wide Converter Wide-angle Converter ZCW-300 Kit

The optional Wide-angle Converter Kit allows photographers to fit more of the scene into each shot. The converter reduces the focal length of the camera's zoom lens at the wide-angle position by 0.75x to give it an equivalent of a 26mm lens on a 35mm camera. That is ideal for capturing architecture and interiors as well as panoramic landscape shots. A 52mm diameter filter can be attached to the adapter ring supplied in the kit.

Compatible with Optional Flashes

The DiMAGE Z6 features a powerful built-in flash unit, but if even more flash power is required, the Konica Minolta Program/Maxxum Flash 3600HS(D), 5600HS(D), and 2500(D) are all compatible with the new DiMAGE Z6.

*1 Depends on the shooting conditions.

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