

KONICA MINOLTA DiMAGE Z5 DIGITAL CAMERA

Specifications

| | | | |
|--|--|--------------------|--|
| Number of effective pixels | 5.0 million | | |
| CCD | 1/2.5-type interline primary-color CCD Total pixels: 5.2 million | | |
| Camera sensitivity | Auto and 50,100, 200, and 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: 2.0ft (0.6m) from front of lens Telephoto: 5.2ft (1.6m) from front of lens | | |
| Minimum macro distance | | Super Macro | Standard macro |
| | Focal length | 10.45mm* | Wide Telephoto |
| | From front of lens | 0.4 inches 1cm | 3.9 inches 10cm 47.2 inches 120cm |
| | * at 10.45 mm only | | |
| Maximum magnification | 0.20x Equivalent to 1.2x in 35mm format | | |
| Area covered at maximum magnification | 1.2 x 0.9 in. (31 x 23mm) | | |
| Viewfinder type | Electronic viewfinder 0.33-inch with a total of 114,000 pixels | | |
| LCD monitor | 2.0 inch digital-interface TFT color Total number of pixels: Approximately 114,000 Automatic monitor amplification | | |
| Field of view | Approximately Viewfinder: 100% Approximately LCD monitor: 100% | | |
| Diopter control | - 3 ~ +1m ⁻¹ | | |
| Eye relief | 16.9mm | | |
| Shutter | CCD electronic shutter and mechanical shutter | | |
| Shutter speed range | 4 - 1/1000 second | | |
| 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. | | |
| Focus lock | By pressing shutter-release button partway down. | | |
| 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: Approximately 0.7 – 11.8 ft. (0.2 – 3.6 m) from front of lens Telephoto: Approximately 3.9 – 7.2 ft. (1.2 – 2.2 m) 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 | Approximately 7 seconds | | | | | | | | |
| 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 | <p>- UHS (Ultra High Speed) continuous advance: Approximately 10 frames per second (1024 x 768) - Standard continuous advance: Approximately 2.2 frames per second</p> <p><i>*Actual speed may vary depending upon the subject and camera settings.</i></p> <p>Approximate number of frames that can be captured at one time with the continuous-advance drive modes:</p> <table border="1" style="margin-left: auto; margin-right: auto;"> <tr> <td colspan="2" style="text-align: center;">UHS continuous advance</td> </tr> <tr> <td colspan="2" style="text-align: center;">1024x768</td> </tr> <tr> <td style="text-align: center;">Fine</td> <td rowspan="3" style="text-align: center; vertical-align: middle;">Max. 20frames</td> </tr> <tr> <td style="text-align: center;">Standard</td> </tr> <tr> <td style="text-align: center;">Economy</td> </tr> </table> | UHS continuous advance | | 1024x768 | | Fine | Max. 20frames | Standard | Economy |
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| | <table border="1"> <thead> <tr> <th colspan="5">Standard continuous advance</th> </tr> <tr> <th></th> <th>2560x1920</th> <th>2048x1536</th> <th>1600x1200</th> <th>640x480</th> </tr> </thead> <tbody> <tr> <td>Fine</td> <td>* 3 frames</td> <td>4 frames</td> <td>6 frames</td> <td>38 frames</td> </tr> <tr> <td>Standard</td> <td>6 frames</td> <td>9 frames</td> <td>17 frames</td> <td>122 frames</td> </tr> <tr> <td>Economy</td> <td>8 frames</td> <td>18 frames</td> <td>38 frames</td> <td>143 frames</td> </tr> </tbody> </table> <p>* Approximately 2.0 frames per second (2560x1920 Fine) * Actual number of images may vary depending upon the subject and cam settings.</p> | 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 |
|--------------------------------|---|-----------------------------|-----------|------------|--|--|--|-----------|-----------|-----------|---------|-------------|------------|----------|----------|-----------|-----------------|----------|----------|-----------|------------|----------------|----------|-----------|-----------|------------|
| Standard continuous advance | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | 2560x1920 | 2048x1536 | 1600x1200 | 640x480 | | | | | | | | | | | | | | | | | | | | | | |
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| 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: Maximum 20 frames (Approximately 10 frames per second) 1024x768 | | | | | | | | | | | | | | | | | | | | | | | | | |
| Exposure bracketing | Three frame bracket in 0.5, 0.3 EV increments | | | | | | | | | | | | | | | | | | | | | | | | | |
| Self-timer | Approximately 10 seconds, 2 seconds | | | | | | | | | | | | | | | | | | | | | | | | | |
| 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: 15 frames per second, 30 frames per second 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) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Color modes | Natural Color, Vivid Color, Black and white, Sepia | | | | | | | | | | | | | | | | | | | | | | | | | |
| Noise reduction | Available (Auto) | | | | | | | | | | | | | | | | | | | | | | | | | |
| Digital zoom | Maximum 4x in 0.2x increments | | | | | | | | | | | | | | | | | | | | | | | | | |
| Languages | Japanese, English, Germany, 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 | 2560 x 1920, 2048 x 1536, 1600 x 1200, 640 x 480 | | | | | | | | | | | | | | | | | | | | | | | | | |

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|--|--|------------------|------------------|-----------------|
| pixels (Still images) | 1024x768 in UHS continuous-advance mode and Progressive Capture mode | | | |
| Number of recorded pixels (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 | 640x480 | 320x240 |
| | | FINE | Standard | Standard |
| | 30 frames per second | 9 seconds | 14 seconds | 29 seconds |
| | 15 frames per second | 18 seconds | 28 seconds | 57 seconds |
| | * <i>Movie clips recorded with audio.</i> | | | |
| | * <i>Actual number of images may vary depending upon the subject and memory card used.</i> | | | |
| File formats | JPEG, Motion JPEG (MOV): with audio, DCF 2.0-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 III, PictBridge | | | |
| Recording media | SD (Secure Digital) Memory Cards, MultiMediaCards | | | |
| 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: Approximately 240 minutes with alkaline batteries. | | | |
| Battery performance (Recording) | Approximate number of recorded images: Approximately 240 Conforming to CIPA (included AA alkaline batteries, included SD memory card) | | | |
| External power source | 6V DC with specified AC adapter (sold separately) | | | |
| Dimensions (WxHxD) | 4.3 x 3.1 x 3.3 inches (108.5 x 80.0 x 84mm) | | | |
| Weight | Approximately 12.0oz. (340g) without batteries or recording media | | | |
| Operating temperature | 32-104°F (0-40°C) | | | |
| Standard accessories | Neck Strap NS-DG7000, Lens Cap LF-243 set, Accessory Shoe Cap SC-1000, AV Cable AVC-700, 16MB SD (Secure Digital) | | | |

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|-----------------------------|--|
| | 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) |

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.*

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

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