

## DiIMAGE Z3: Technical Specifications

**Number of effective pixels:** 4.0 million  
**CCD:** 1/2.5-type interline primary-color CCD  
 Total pixels: 4.2 million  
**Camera sensitivity:** Auto and 50,100, 200, and 400 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: 2.0m/6.6ft from front of lens  
 Wide: 0.685m / 2.2ft from CCD  
 Telephoto: 2.085m/ 6.8ft from CCD

**Minimum macro distance:**

	Super Macro	Standard macro	
Focal length	10.45mm*	Wide	Telephoto
From front of lens	1 cm 0.4 in.	10cm 3.9 in	120cm 47.2 in
From CCD	9.5cm 3.7 in.	18.5cm 7.3in	128.5cm 50.6 in.

\* at 10.45 mm only

**Maximum magnification:** 0.20x  
 Equivalent to 1.2x in 35mm format  
**Area covered at maximum magnification:** 31 x 23mm /1.2 x 0.9 in.  
**Viewfinder type:** Electronic viewfinder  
 0.3-type with a total of 118,000 pixels  
**LCD monitor:** 3.8cm (1.5 inch) digital-interface TFT color Total number of pixels: 78,000 (approx.)  
 Automatic monitor amplification  
**Field of view:** Viewfinder: 100% (approx.)  
 LCD monitor: 100 % (approx.)  
**Diopter control:** – 3 ~ +1m<sup>-1</sup>  
**Eye relief:** 20.8mm  
**Shutter:** CCD electronic shutter and mechanical shutter  
**Shutter speed range:** 4 - 1/1000 s in programmed-AE

	and aperture-priority modes.
	15 - 1/1000 s in shutter-priority and manual exposure modes.
	Bulb (max. 30 s)
	2 - 1/1000 s in auto-recording and Digital Subject Programs
<b>Autofocus system:</b>	Video AF system
<b>Autofocus areas:</b>	5-Point Wide Focus Area Spot focus areas with Focus Area Selection
<b>Focus modes:</b>	Single-shot AF, Continuous AF with predictive focus control, Full-time AF, Manual focus.
<b>Focus lock:</b>	By pressing shutter-release button partway down.
<b>Metering:</b>	Multi-segment, Center-weighted, Spot
<b>Multi-segment metering:</b>	256 segments
<b>Exposure modes:</b>	Programmed AE, Aperture priority, Shutter priority, Manual
<b>Digital Subject Programs:</b>	Automatic (Portrait, Sports action, Landscape, Sunset, Standard) Manual (Portrait, Sports action, Landscape, Sunset, Standard, Night portrait.)
<b>Exposure compensation:</b>	±2 Ev in 1/3 increments
<b>AE lock:</b>	By pressing shutter-release button partway down
<b>Flash metering:</b>	Pre-flash TTL
<b>Flash range:</b>	Wide: 0.2 – 4.0 m / 0.7 – 13.1 ft. (approx.) from front of lens Telephoto: 1.2 – 2.5 m / 3.9 – 8.2 ft. (approx.) from front of lens (Camera sensitivity: auto)
<b>Flash modes:</b>	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.
<b>Flash recycling time:</b>	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:  
10fps (approx.) (1280 x 960 )
  - Standard continuous advance:  
2.5 fps (approx.) (2272 x 1704)
- \* 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-advance drive modes:

UHS continuous advance	
1280x960	
Fine	15 frames
Standard	
Economy	

Standard continuous advance				
	2272x1704	1600x1200	1280x960	640x480
Fine	2 frames	5 frames	11 frames	60 frames
Standard	5 frames	6 frames	50 frames	97 frames
Economy	5 frames	51 frames	72 frames	115 frames

\* Actual number of images may vary depending upon the subject and camera settings.

**Progressive Capture:**

Stores images from the built-in memory to the memory card from the latest frame captured with the continuous advance.

Maximum number of images that can be recorded with the Progressive Capture mode:

UHS: 15 frames (10 fps)

Standard: 5 frames (2.5 fps) (2272 x 1704, Standard)

<b>Exposure bracketing:</b>	Three frame bracket in 1.0, 0.5, 0.3 Ev increments
<b>Self-timer:</b>	10 s, 2s (approx.)
<b>Movie:</b>	Recording time dependent on memory card capacity, image size, and frame rate. Frame rate: 15fps, 30 fps Audio : monaural Optical zoom is ON in recording Movie frame capture Night movie (automatic selection or disabled)
<b>White balance control:</b>	Automatic, Preset (Daylight, Cloudy, Tungsten, Fluorescent, Flash), Custom
<b>Digital Effects Control:</b>	Contrast compensation, Sharpness
<b>Contrast compensation:</b>	Three levels (Low, Normal, High)
<b>Sharpness settings:</b>	Three levels (Soft, Normal, Hard)
<b>Color modes:</b>	Natural Color, Vivid Color, Black and white, Sepia
<b>Noise reduction:</b>	User selectable dark noise reduction
<b>Digital zoom:</b>	4x (max.) in 0.2x increments
<b>Copy function:</b>	To copy single or multiple images to the same or another memory card.
<b>E-mail Copy function:</b>	Creates a compressed 640x480 JPEG image for transmission.
<b>Date imprinting:</b>	Year/month/day (Format can be changed.) Imprinting can be disabled
<b>Key customization:</b>	The function activated by the flash-mode button can be changed.
<b>Image-quality modes:</b>	Fine, Standard, Economy

**Number of recorded pixels (Still images):**  
 2272 x 1704, 1600 x 1200, 1280 x 960, 640 x 480  
 1280 x 960 in UHS continuous-advance mode

**Number of recorded pixels (Movie clips):**  
 640x480, 320x240

**Storage capacity:**  
 Approximate storage capacity of a 16MB SD (Secure Digital) Memory Card:

Still images				
	2272x1704	1600x1200	1280x960	640x480
Fine	6 frames	14 frames	23 frames	50 frames
Standard	14 frames	23 frames	38 frames	67 frames
Economy	27 frames	41 frames	53 frames	100 frames
Movie clips				
		640x480 FINE	640x480 Standard	320x240 Standard
	30 fps	9 s	14 s	30 s
	15 fps	19 s	28 s	58 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 II, 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: 220 min. (approx.) with alkaline batteries.

**Battery performance (Recording):**

Approximate number of recorded images: 170 (approx.)  
Comforming to CIPA ( included AA alkaline batteries, included SD memory card )

**External power source:**

6V DC with specified AC adapter (sold separately)

**Dimensions:**

108.5 (W) x 80.0(H) x 83.5(D) mm  
4.3(W) x 3.1 (H) x 3.3 (D) in.

**Weight:**

335g / 11.8oz. (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  
ArcSoft VideoImpression™ 2 CD-ROM(for windows only)  
Four AA Alkaline batteries

**Optional accessories:**

AC Adapter AC-1L or 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 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

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, v10.3-10.3.3 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 DiIMAGE Z3 package.

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

DiIMAGE, 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.