## DiMAGE A200 Technical Specifications

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|---|---|
| **Number of effective pixels:** | 8.0 million |
| **CCD:** | 2/3-type interlaced primary-colour CCD |
| | Total pixels: 8.3 million |
| **A/D conversion:** | 12bit |
| **Camera sensitivity:** | Auto, ISO 50, 100, 200, 400, 800 equivalents |
| **Focal length:** | 7.2 – 50.8mm (35 mm equivalent: 28 - 200 mm) |
| **Lens construction:** | 16 elements in 13 groups (includes two AD glass elements and two aspheric elements) |
| **Maximum aperture:** | f/2.8 – f/3.5 |
| **Minimum focus distance:** | 0.5m (1.6 ft.) from CCD |

**Macro focus range:** **Wide-angle position**

30 – 60 cm / 11.8 – 23.6 in. from CCD

21 – 51 cm / 8.3 – 20 in. from front of lens

**Telephoto position**

25 – 60 cm / 9.8 – 23.6 in. from CCD

13 – 50 cm / 5.1 – 19.7 in. from front of lens

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| **Maximum magnification:** | 0.18x |
| | Equivalent to 0.7x in 35mm format |

**Area covered at maximum magnification:**

52 x 39 mm / 2.05 x 1.54 in.

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| **Optical zooming control:** | Manual zooming ring |
| **Filter diameter:** | 49mm |
| **Viewfinder type:** | EVF (Electronic viewfinder) |
| **Viewfinder LCD:** | 0.44 inch TFT liquid-crystal microdisplay |
| | Total pixels: 235,000 pixels |
| **LCD monitor:** | 1.8 inch TFT colour, Vari-Angle LCD monitor |
| | Total pixels: 134,000 |

**Automatic monitor amplification:** Activates in low light.

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| **Field of view:** | EVF: 100% (approx.) |
| | External LCD monitor: 100 % (approx.) |
| **Display-mode switch:** | Electronic-viewfinder display, External LCD-monitor display |

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| **Dioptre control:** | –5 ~ +2 m$^{-1}$ |
| **Eye relief:** | 22 mm at -1 m$^{-1}$ |
| **Shutter:** | CCD electronic shutter and mechanical shutter |
| **Shutter speed range:** | 30 - 1/3200s (30 – 1/1600s in S, M - mode) |
| | Bulb (max. 30 s) |
| **Autofocus system:** | Video AF |
| **Autofocus areas:** | Wide focus area, 11 point selectable, Spot focus point |
| | Flex Focus Point control is available with the spot focus point. |
| **Focus modes:** | Autofocus: Single-shot AF, Continuous AF, Full-time AF, Manual focus or Flex Digital Magnifier (FDM), Automatic-magnification |
| **Focus lock:** | By pressing shutter-release button partway down. |
| **Metering:** | Multi-segment, Centre Weighted, Spot (centre or with Flex Focus Point) |
| **Multi-segment metering:** | 256 segments |
| **Exposure control range:** | Programmed AE and Aperture-Priority modes: |
| | Wide: Ev –1 – 18 |
| | Telephoto: Ev –0.5 – 18 |
| | Shutter- Priority and Manual modes: |
| | Wide: Ev – 2 – 18 |
| | Telephoto: Ev – 1.5 – 18 |
| **Exposure modes:** | Programmed AE (with program shift), Aperture Priority, Shutter Priority, Manual |
| **Digital Subject Programs:** | Portrait, Sports action, Sunset, Night portrait/Night View |
| **Exposure compensation:** | ± 2 Ev in 1/3 increments |
| **AE lock:** | With AE-lock button or by pressing the shutter release button partway down |
| **Flash control:** | Automatic, and Manual flash control |
| **Flash range:** | Wide: 0.5 - 3.8m / 1.6 – 12.5 ft. (approx.) |
| | Telephoto: 0.5 – 3.0m / 1.6 – 9.8 ft. (approx.) |
| | (Camera sensitivity: auto) |
| **Flash modes:** | Fill-flash, Red-eye reduction, Rear flash sync, Slow sync |
| **Flash recycling time:** | 5 s (approx.) |
| **Flash compensation:** | ± 2 Ev in 1/3 increments |

**Flash-sync speed:**          All shutter speeds

**External flashes:**          Auto-flash metering with Program/Maxxum Flash 2500 (D),

                                  3600HS (D), 5600HS (D), Macro Twin Flash 2400,*

                                  Macro Ring Flash 1200.*

                                  *Macro Flash Controller is necessary.

**Continuous advance:**        -UHS continuous advance: 10 fps (640x480)

-                                   -High-speed continuous advance: 2.3 fps (max.)

                                  - Standard continuous advance: 2.0 fps (max.)

Actual speed may vary depending upon the subject and camera settings.

Approximate number of frames that can be captured at one time in standard continuous advance

|  | 3264x2448 | 2560x1920 | 2080x1560 | 1600x1200 | 640x480 |
|---|---|---|---|---|---|
| RAW | **5 frames** | - | - | - |  |
| Extra fine | 5 frames | 5 frames | 5 frames | 5 frames | 5 frames |
| Fine | 5 frames | 5 frames | 5 frames | 5 frames | 5 frames |
| Standard | 5 frames | 5 frames | 5 frames | 5 frames | 5 frames |

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

**Exposure bracketing:**       Three frame bracket in 0.5 and 0.3 Ev increments

**Digital Enhanced Bracketing:**    White balance *changeable increments

**Self-timer:**                10s, 2s (approx.)

**Remote-control**           Available

**Movie:**                   - Standard movie mode: 15 min. (max.)

                                  - Night movie mode: 15 min. (max.)

**Colour modes:**           Natural Colour (sRGB), Vivid Colour (sRGB), Portrait

                                  (sRGB), Adobe RGB (ICC), Black and white (neutral and

                                  toned),

**White-balance control:**       Automatic

                                  Preset ; Daylight, Tungsten, Shade, Cloudy, Flash, and

                                  Fluorescent settings

                                  Custom (two settings)

**Sharpness settings:**         Three levels (Soft, Normal, Hard)

**Digital Effect Control:**      Color saturation, Contrast compensation, Filter

| Noise reduction: | Available (ON/OFF selectable) |
|---|---|
| **Digital zoom:** | Normal mode and interpolate mode selectable. Normal mode: 2X (max.) / Interpolate mode : 4X (max.) |
| **Data imprinting:** | Year/month/day (Format can be changed.) Month/day/hour:minute |
| **Image-quality modes:** | RAW, RAW +JPEG, Extra fine, Fine, Standard |

**Number of recorded pixels**

**(Still images):**     3264 x 2448, 3264 x 2176(in 3:2 mode), 2560 x 1920, 2080 x 1560, 1600 x 1200, 640 x 480

**Number of recorded pixels**

**(Movie clips):**     320 x 240 in standard and night movie modes (15fps/30fps selectable)

640 x 480 in standard and night movie modes (15fps/30fps selectable)

800 x 600 in standard and night movie (15 fps)

**Menu languages:**     Japanese, English, German, French, Spanish, Simplified Chinese, Italian, Swedish

**Storage capacity:**     Approximate storage capacity of a 128 MB CompactFlash card:

|  | 3264x2448 | 3264x2176 | 2560x1920 | 2080x1560 | 1600x1200 | 640x480 |
|---|---|---|---|---|---|---|
| RAW | 10 frames | - | - | - | - | - |
| RAW+JPEG | 9 frames | 9 frames | 9 frames | 9 frames | 10 frames | 10 frames |
| Extra fine | 19 frames | 22 frames | 32 frames | 49 frames | 79 frames | 390 frames |
| Fine | 31 frames | 35 frames | 50 frames | 78 frames | 122 frames | 558 frames |
| Standard | 62 frames | 69 frames | 97 frames | 150 frames | 229 frames | 781 frames |
| Movie | 5 minutes 55 seconds with 320x240 images at 15 fps | | | | | |

** Actual number of images may vary depending upon the subject and memory card used.

**File formats:**     JPEG, Motion JPEG (MOV), RAW

DCF 2.0-compliant

DPOF-compliant (Supported by printing functions in ver. 1.1)

|                              | Exif 2.21                                                          |
|------------------------------|--------------------------------------------------------------------|
| **Printing output control:** | Exif Print, PRINT Image Matching II                                |
|                              | PictBridge                                                         |
| **Recording media:**         | Type I and Type II CompactFlash cards                              |
|                              | IBM/Hitachi Microdrive                                            |
| **Computer interface:**      | USB                                                               |
|                              | Full-speed 12Mbps data transfer available with USB 2.0            |
|                              | compatible computer                                              |
| **AV output:**               | NTSC, PAL (selected on the camera)                                |
| **Batteries:**               | One NP-800 lithium-ion battery                                    |
| **Battery performance**      |                                                                   |
| **(Playback):**              | Approximate continuous playback time: 330 min. with               |
|                              | NP-800 lithium-ion battery, External LCD monitor on, EVF          |
|                              | off.                                                              |
| **Battery performance**      |                                                                   |
| **(Recording):**             | Approximate number of recorded images: 260 frames                 |
|                              | (Conforming to CIPA, included NP-800 lithium-ion                  |
|                              | battery)                                                         |
| **External power source:**   | 6V DC with specified AC adapter (sold separately)                 |
| **Dimensions:**              | 114 (W) x 80 (H) x 115 (D) mm                                     |
|                              | (4.49 (W) x 3.15 (H) x 4.53(D) in.)                               |
| **Weight:**                  | 505 g (17.8 oz.) without batteries or recording media (approx.)   |
| **Operating temperature:**   | 0-40 ºC (32-104 ºF)                                               |
| **Standard accessories:**    | Neck Strap NS-DG8000                                              |
|                              | Lens Cap (49mm) LF-1349                                           |
|                              | Accessory Shoe Cap SC-10                                          |
|                              | AV Cable AVC-500                                                  |
|                              | USB Cable USB-3                                                   |
|                              | DiMAGE Viewer                                                     |
|                              | ULEAD Video Studio 8 SE                                           |
|                              | Lens Shade DLS-3                                                  |
|                              | Lithium-ion Battery NP-800                                        |
|                              | Wireless Remote Control RC-D1                                     |
|                              | Lithium-ion Battery Charger BC-900                                |
| **Optional accessories*:**   | AC Adapter AC-11                                                  |

Camera Case CS-DG701

Leather Neck Strap NS-DG1000

DiMAGE Neck Strap (Indigo) NS-DG2000

DiMAGE Neck Strap (Grey) NS-DG3000

Accessory Shoe Cap SC-1000

External High Power Battery Pack Kit EBP-100

Step Up Adapter 49mm – 62mm

CompactFlash Adapter for SD Memory Cards SD-CF1

Telephoto Converter ACT-100

**Wide-angle Converter ACW-100**

Close-up Lens CL49-200

DiMAGE Master DMA-100

*Availability of accessories depends on location.

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 Mac OS 9.0 – 9.2.2, Mac OS X v10.1.3-10.1.5, or v10.2.1 – 10.2.8, v10.3 – 10.3.4 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 A200 package.

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