SLR-type Digital Camera with Advanced Speed & Precision

DiMAGE *A1*

MINOLTA

AS

MINOLTA GT LENS
7.2-50.8mm 1:2.8-3.5 APO ø49mm
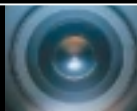
THE NEXT GENERATION IN QUALITY AND PERFORMANCE

Progressive scan CCD & new image processing LSI
Fastest autofocusing in its class* plus the innovative 3D AF
Anti-Shake technology for maximum stability
Minolta GT Lens with 7x optical zoom (28 to 200 mm)
Superior quality 5 megapixel images

www.minolta.com

The essentials of imaging

High quality continuous shooting

The Hi Speed mode enables fast, high quality continuous shooting at a capture rate of approx. 2.8 fps. Full resolution images (2,560 x 1,920 pixels) can be captured in either RAW, TIFF, or JPEG format. With RAW, you can capture up to 5 images at once. With TIFF or JPEG, you can shoot up to 3 images in a single burst. JPEG capture has extra advan-

tage of being ready for the next 3-shot burst in only 1.5 seconds. The camera's high capacity 64MB SDRAM can store as many as 9 images (5.0 megapixels, Fine mode), ensuring effective use of buffer memory during continuous shooting. When Single Shot AF or Continuous AF is selected, capture rate is approx. 2.0 fps with the live view showing on the LCD monitor. This display provides a crystal clear view of the action.

Long lasting power supply

Enjoy the freedom to shoot over long periods. The DiMAGE A1 uses an exclusive lithium-ion battery with a large capacity, and has the benefit of low power consumption thanks to its new LSI. There is also the optional Battery Pack BP-400, with hand strap, that accepts 2 lithium ion batteries or 6 AA size dry cell batteries.

Tiltable LCD monitor

The LCD monitor has a remarkably clear display (118,000 pixels) and simplifies composition as well. Tilt it up as far as 90 degrees when you're shooting at a low angle, or flip it down by 20 degrees if you're holding the camera over your head. Anti Shake technology ensures a steady shot.
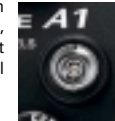
Tiltable electronic viewfinder

The high resolution electronic viewfinder (235,000 pixels) gives you a 100% field of view with no parallax distortion. To facilitate shooting, the viewfinder displays various shooting data and can be tilted up to 90 degrees. It also offers an after view function, diopter adjustment, and an eye sensor that turns off the LCD monitor to save power.

SPEED, CONTROL, AND CONFIDENCE

Extensive flash photography plus sync terminal

The high performance built-in flash has two metering modes to choose from: ADI (Advanced Distance Integration) flash metering or pre flash TTL metering. The DiMAGE A1 can also be used with external flash units such as the Program Flash 5600HS(D), the Macro Twin Flash 2400, or the Macro Ring Flash 1200. In addition, its flash sync terminal offers a reliable way to connect to studio flash systems, making the DiMAGE A1 ideal for commercial photography.

Macro Flash Controller is required for macro flash units.

Flex Focus Point (FFP)

Flex Focus Point lets you quickly shift the focus point to anywhere in the frame you like. This feature is great for macro imaging and portraits, especially when combined with spot metering. As you move the focus point, spot metering adjusts in tandem.
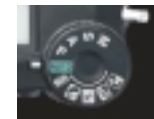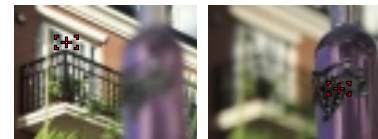
Direct Manual Focus (DMF)

Fine adjustments can be made even after autofocus has been activated. With the shutter release button half pressed, DMF allows you to move the focus point as desired. This movement is performed with the focusing ring.

Designed for sure handling

The control layout promotes intuitive handling in a number of ways. Frequently used functions have independent dials and buttons to make setting changes uncomplicated and stress free. Plus the 5 way cross key has a separated central button to aid handling. Further comfort is provided by an extra secure rubber grip. The camera body is lightweight, yet extremely tough.

Diverse movie & audio recording

Capture movie clips under various lighting conditions. The DiMAGE A1 provides two types of movie recording with audio: standard and night movie. Clips can be up to 15 minutes long (320 x 240 pixels, 24 fps). What's more, zoom expands up to 7x (28 to 200 mm) so you can capture far off subjects, while Anti Shake keeps images steady at all focal lengths. The DiMAGE A1 can also create time-lapse movies using images captured with interval recording (640 x 480 playback, 4 fps, no audio). For still images, you can add audio information in clips up to 15 seconds long.

Digital Subject Program Selection

Select the type of scene and let the camera handle exposure settings. Options include Portrait, Sports, Sunset, and Night Portrait/Night View. These effects can be confirmed prior to capture on the LCD monitor or viewfinder. If you wish to customise camera operation, other functions can be assigned to the DSPS dial.

Digital Effects Control (DEC)

An easy way to experiment with the appearance of your images. With DEC, you can adjust contrast and saturation before each picture, and check the way it looks. An additional setting, Filter, replicates the effect of a colour filter. It can be combined with the camera's monochrome colour mode to produce 11 types of monochromatic effects.

Digital Enhanced Bracketing (DEB)

DEB produces, for each shot, a series of exposures with slight variations in steps of ±0.5 or 0.3 Ev. Used with Digital Effects Control, this feature also lets you bracket contrast, saturation, and filter effects.

DEC: Saturation

| Low | Normal | High |

DEC: Colored Filter (monochrome)

DEB: Exposure

| -0.5 | 0 | +0.5 |
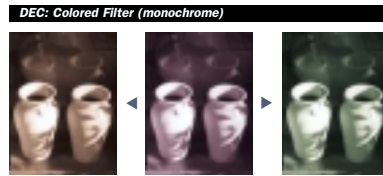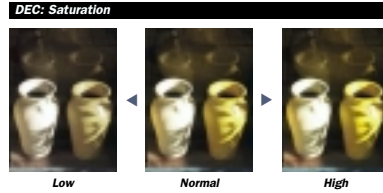
User-friendly DiMAGE Viewer

The DiMAGE Viewer software makes it easy to manage, edit, and perform various other tasks with your images. It displays thumbnails for quick confirmation, plus EXIF data and any comments you've included. You can copy, move, or rename images as you please. Various image compensation tools are provided, such as tone curve and histogram for still images, and flicker reduction for movie clips. The DiMAGE Viewer is able to handle RAW data, allowing you to make fine adjustments on uncompressed image data. It also comes with advanced colour management tools to ensure faithful colour reproduction of each shot. Accurate colour conversion is possible with monitors, printers, and application software that support ICC profiles.

PC based camera control (optional)

With the optional DiMAGE Capture software, you can control the DiMAGE A1 from a connected computer. This software gives access to all major camera functions, from exposure compensation and white balance control to the real time histogram display and more. All viewfinder information can be checked on your PC monitor. Used together, DiMAGE Capture and DiMAGE Viewer offer an efficient way to shoot, transfer, and process a large number of images in one session. Ideal for studio photography.

DiMAGE Capture is not compatible with Mac OS.

EXPANSIVE DIGITAL CREATIVITY MADE SIMPLE

Flex Digital Magnifier (FDM) for precise manual focus control

An excellent feature for checking manual focus, FDM allows you to enlarge any part of the LCD monitor display for greater accuracy. Magnification can be increased from 2x to 8x at the touch of a button.

This function can also be used with autofocusing (DMF mode only).

Real time histogram display

The LCD monitor can show a histogram of the live image. The histogram gives you precise information on the distribution of brightness in the scene, which is helpful for adjusting exposure, especially in strong sunlight. Histograms of captured images can be displayed as well.

Varied & quickly adjustable white balance

Take control of coloration in different types of lighting. In addition to Auto, the DiMAGE A1 has six preset options: Daylight, Tungsten, Fluorescent, Shade, Cloudy, and Flash. These six options can be manually fine tuned, plus there are three customisable settings for you to program.

Other notable features

● Near lossless JPEG mode for professional quality images (2.5:1 compression ratio)
● Selectable image sizes: 5 megapixels, 3 megapixels, 2 megapixels, VGA (640 x 480)
● Six colour modes to suit different creative needs: Natural, Vivid, Monochrome, Solarisation, Adobe RGB, Adobe RGB (ICC)
● Automatic sensitivity adjustment up to ISO 200 (equivalent)
● Slow shutter noise reduction

● Text input of up to 16 alphanumeric characters
● Interval shooting at periods ranging from 30 seconds to 60 minutes (up to 240 frames)
● Accelerated read write access of CompactFlash media
● Compatible with storage media exceeding 2 gigabytes (FAT32 compatible)
● Fine aperture control in 1/3 Ev steps
● Durable and lightweight magnesium alloy body

Compatible computers

● IBM PC / AT compatible computers with preinstalled Windows XP, Windows Me, Windows 2000 Professional, Windows 98*, or Windows 98 Second Edition* and with a built-in USB port as standard interface.
● Apple Macintosh computers with Mac OS 9.0**– 9.2.3 or Mac OS X v.10.1.3 –10.1.5 and v.10.2.1 – 10.2.5, with a built-in USB port as standard interface.
  *Users of Windows 98 and Windows 98 SE must install dedicated driver software supplied with the product.
For more compatibility information, please visit: www.minoltausa.com / www.minoltaeurope.com / www.minolta.com.sg or www.minoltahk.com

Notes
● Computers and operating systems must be guaranteed by their manufacturers to support USB interface. For details, please contact the manufacturer.
● 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 occur even if all the system requirements are met.

The photographs in this brochure (except for product photos and front cover photo) were taken by Chukyo Ozawa.

Extensive system accessories give you even greater functionality

External power
- External Battery Pack Kit EBP-100
  - Battery Pack holder BH-100
  - Li-ion Battery NP-100
  - Li-ion Battery Charger BC-100
- AC Adapter AC-11

Batteries
- Li-ion Battery ◆
- Li-ion Battery Charger ◆
- Battery Pack BP-400
- Holding Strap HS-2

Accessory shoe

Bounce Reflector V-Set

External Battery Pack EP-2 Set

External flashes
- Program Flash 2500(D)
- Program Flash 3600HS(D)
- Program Flash 5600HS(D)
- Macro Ring Flash 1200
- Macro Twin Flash 2400
- Macro Flash Controller

Off-camera flash accessories
- Triple Connector TC-1000
- Off-camera Shoe OS-1100
- Off-camera Cable OC-1100
- Cable CD

Ferrite Core FRC-100 ◆ | Leather Neck Strap NS-DG4000 ◆ | Lens Cap LF-1249 ◆ | Shoe Cap SC-1000 ◆ | Lens Shade DLS-1 ◆ | Filter (Ø 49mm) | 49mm→62mm Step up adapter | Filter (Ø 62mm)

Close-up Diffuser CD-1000

USB interface
- USB Cable USB-500 ◆ → PC

Remote cable
- Remote Cable RC-1000S, RC-1000L

Driver software (DiMAGE Viewer) ◆ → PC application / Mac application

AV terminal
- AV Cable AVC-400 ◆ → TV

Storage media
- CompactFlash Card (16MB) ◆
- CompactFlash Card Type I & Type II / Microdrive → PCMCIA CF adapter card
- SD-CF Adapter SD-CF 1 → SD Card

- ▢ (dotted) DiMAGE accessory
- ▢ Dynax accessory
- ◆ Standard accessory

SPECIFICATIONS

Number of effective pixels	Approx. 5.0 million (2568 x 1928)
CCD	2/3-type progressive primary-colour CCD, total pixels: 5.3 millions
Camera sensitivity	Auto, ISO 100, 200, 400, 800 equivalents
Aspect ratio	4:3
Lens construction	16 elements in 13 groups (includes two AD glass elements and two aspheric elements)
Maximum aperture	f/2.8 – f/3.5
Focal length	7.2 – 50.8 mm (35mm format equivalent: 28 – 200 mm)
Focusing range (from CCD)	0.5 m to infinity
	Macro: Wide 30 – 60 cm, Telephoto 25 – 60 cm
Maximum magnification	0.177x (Equivalent to 0.7x in 35mm format)
	Area covered at maximum magnification: 50 x 37 mm (approx.)
Optical zooming control	Manual zooming ring
Autofocus system	Video AF. Focus lock available (Subject lock possible in 3D tracking AF)
Autofocus areas	Wide focus area / Spot focus point switchable, AF point movable to any desired place within the area (FFP--Flex Focus Point control with spot focus point mode)
Focus modes	Autofocus: Single-shot AF, Continuous AF, Full-time AF, 3D -tracking AF / Manual focus with Flex Digital Magnifier (FDM)
Exposure modes	P (Programmed AE) (with program shift), A (Aperture priority), S (Shutter priority), M (Manual), AE lock available
Metering	Multi-segment (300 segments), Centre-weighted, Spot (possible to work together with FFP control)
Exposure control range	P/ A modes: Wide: Ev -1 – 20, Telephoto: Ev -0.4 – 20.7 / S / M modes: Wide: Ev -2 – 21, Telephoto: Ev -1.4 – 21
Shutter	CCD electronic shutter / mechanical shutter
Shutter speed range	30 – 1/16000 seconds (in P / A modes, ISO 100), Bulb (max. 30 seconds)
White-balance control	Automatic, Preset (Daylight, Tungsten, Fluorescent, Shade, Cloudy, Flash), Custom (3 positions)
Digital Subject Programs	Portrait, Sports action, Sunset, Night portrait / Night View
Digital Effects Control	Colour saturation, Contrast compensation, Filter
Exposure compensation	± 2 Ev in 1/3 increments
Flash metering	ADI, Pre-flash TTL, Manual flash control
Flash-sync speeds	All shutter speeds
Flash modes	Fill-flash, Red-eye reduction, Rear flash sync, Wireless / Remote flash
Built-in flash range (approx.)	(from CCD) Wide: 0.5 – 3.8 m, Telephoto: 0.5 – 3 m (Camera sensitivity: auto)
Recycling time	5 seconds (approx.)
Flash compensation	± 2 Ev in 1/3 increments
Viewfinder type	TTL Electronic viewfinder (EVF), Variable position: 0 – 90º / Automatic monitor amplification, Electronic magnification for manual focusing
Viewfinder LCD	11 mm TFT liquid crystal microdisplay / Equivalent visual resolution: 235,000 pixels, Field of view: 100% (approx.)
Diopter control	-5 ~ +2 diopter
Eye relief	22 mm (from protection glass)
LCD Monitor	46 mm low-temperature polysilicon TFT colour, Tiltable (-20˚ to 90˚) / Total pixels: 118,000, Field of view: 100% (approx.)
Display format	Recording mode: Live image, Grid, Scale, Quick view, Instant playback, Histogram of live image, Various statuses / Playback mode: Single-frame, Index, Enlarged playback, Slide show, Movie, Histogram of recorded image, Various statuses

Display-mode switch	Auto / EVF / External LCD-monitor
A/D conversion	14 bits
File name formats	JPEG, TIFF, Motion JPEG (MOV), RAW. DCF 1.0 / DPOF 1.1-compliant
Printing output control	Exif Print 2.2, PRINT Image Matching II
Recording media	Type I and Type II CompactFlash cards / IBM Microdrive (170MB, 340MB, 512MB, 1GB)
Image-quality modes	RAW, TIFF (uncompressed), Extra-Fine, Fine, Standard
Number of recorded pixels	Still images: 2560 x 1920, 2080 x 1560,1600 x 1200, 640 x 480 / Movie clips: 320 x 240 (standard & night movie), 640 x 480 (time-lapse movie)
Colour modes	Normal Colour, Vivid Colour, Adobe RGB, Adobe RGB (ICC), B&W, Solarisation
Sharpness setting	Three levels (Soft, Normal, Hard)
File size* (approx.) (2560 x 1920)	RAW: 7.4 MB, TIFF: 14.5 MB, Extra Fine: 4.9 MB, Fine: 2.5 MB / Standard 1.5 MB, Movie: 522 KB / second
Storage capacity* (16MB) (approx.) (2560 x 1920)	RAW: 2 frames, TIFF: 1 frame, Extra Fine: 2 frames, Fine: 5 frames, Standard: 10 frames, Movie 19 seconds
	*Numerical value may vary depending upon the subject.
Continuous-advance modes	High Speed continuous advance: max. 2.8 fps / TIFF (3 frames) / RAW (5 frames) mode available.
Interval recording	2 – 240 frames, Interval time: 1 – 10 / 15 / 20 / 30 / 45 / 60 minutes
Digital Enhanced Bracketing	Exposure, Contrast, Colour saturation, Filter, Number of brackets: 3 frames (with 0.5 / 0.3 step selectable)
Self-timer (approx.)	10 seconds / 2 seconds
Movie recording	Standard movie mode: 15 minutes (max.) at 24 fps with monaural audio / Night movie mode: 15 minutes (max.) at 24 fps without audio / Time-lapse movie mode: at 4 fps without audio (640 x 480 pixels)
Audio	Voice memo: 15 seconds monaural audio with still image, File format: WAVE
Exif tag information	Date and time, Camera settings (Exposure mode, Shutter speed, Aperture value, Exposure compensation value, Metering method, Flash on / off, Camera sensitivity, White balance setting, Focal length, etc.), Colour space
Delete function	Single, multiple, or all frames can be deleted
Format function	Available (only for quick format)
Data imprinting	Year / month / day, Month / day / time, Text, Text and serial numbers
Digital zoom	2x
Batteries	One dedicated lithium-ion battery
Battery performance (approx.) (Minolta measurement)	Number of recording: 330 frames, Continuous playback time: 300 minutes
Operating time (approx.)	Start-up time: 2.2 seconds, Shutter-release time lag: 0.1 seconds
External power source	6V DC (with specified AC adapter AC-11)
Interface	PC interface: USB 1.1, AV output: PAL / NTSC
Dimensions (WxHxD)	117 x 85 x 113.5 mm
Weight	560 g without batteries and recording media
Standard accessories	1 Dedicated Lithium-ion Battery NP-400 / 1 Lithium-ion Battery Charger (without battery) BC-400 / 1 Neck Strap NS-DG4000 1 Lens Cap (49mm) LF-1249 / 1 Lens Shade for DiMAGE A1 DLS-1 1 Accessory Shoe Cap / 1 AV Cable AVC-400 1 USB Cable USB-500 1 Ferrite Core FRC-100 / 1 DiMAGE Software CD-ROM (Includes DiMAGE Viewer) / 1 CF (CompactFlash) Card (16MB)

Specifications and accessories are based on the information available at the time of printing and are subject to change without notice. For the latest information, please visit: **www.dimage.minolta.com**

1 The LCD monitor is manufactured using high-precision technology. The appearance of any missing pixels or lit pixels does not indicate damage to the monitor.

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