

MINOLTA

The essentials of imaging

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SLR-TYPE 5.0 MEGAPIXEL DIGITAL CAMERA

DIMAGE 7 Hi



THE PINNACLE OF PERFORMANCE

Superior quality 5-megapixel images from Minolta GT Lens & Minolta CxProcess

7X optical zoom (28 to 200mm) and Wide/Tele macro imaging

Fast continuous shooting at 5-megapixel resolution (approx. 3 fps)

Embedded ICC Profile and selectable colour space

Rapid autofocus and ultra-fast shutter speed (up to 1/4,000 second)

Flash sync terminal and built-in flash

Extensive system accessories

www.dimage.minolta.com



DiMAGE 7Hi



Behold the DiMAGE 7Hi. Top-of-the-line performance for those who demand exceptional speed with high quality. 5-megapixel continuous shooting with 64MB of SDRAM. Superior colour reproduction. And a wide range of dependable features, including enhanced colour management and an extra-secure grip. It's the fusion of Minolta's renowned expertise in optics and innovation in digital imaging, all encased in a jet-black body. In your hands, it's the power to propel your artistic vision to new heights.

Capture images with exceptional detail & colour

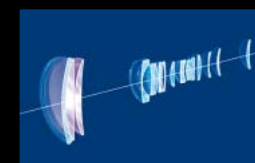
Advanced 2/3-type CCD with 5.0 effective megapixels

With an advanced 2/3-type CCD at its core, the DiMAGE 7Hi delivers an effective resolution of 5.0 megapixels*. This level of detail allows you to make impressive enlargements with an inkjet printer (approx. A3-size, 43.3 x 32.5 cm, 150 dpi). In order to ensure optimum colour fidelity, the CCD is equipped with a RGB primary colour filter.

* Total pixel count of the CCD: 5.2 megapixels (2,658 x 1,970 pixels)

High-performance Minolta GT Lens

The Minolta GT Lens is an all-glass, APO zoom lens that has been specially designed to maximise the power of the CCD. In fact, it is refined enough for use with a 7 megapixel 2/3-type CCD. This high-grade lens is comprised of 16 elements in 13 groups, including 2 AD (Anomalous Dispersion) glass elements to suppress chromatic aberration. It also has 2 aspheric elements that minimise distortion from the centre of an image to its edges, and which help keep the camera compact as well.



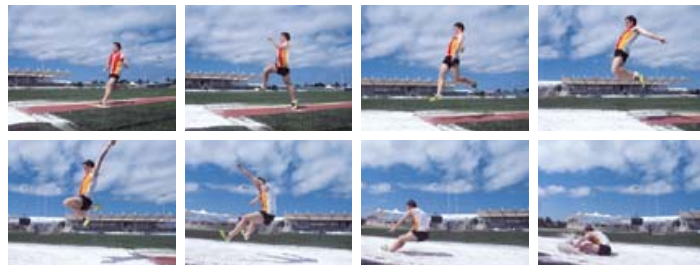
Minolta CxProcess™ and 12-bit A/D for bright, vivid colours

Thanks to Minolta's exclusive CxProcess image processing technology, you get beautiful images with natural-looking colours. CxProcess adjusts images in various ways so that they faithfully reflect the vividness of the scenes you've captured. It processes colour data produced by 12-bit A/D conversion, which generates a colour space of over 68 billion hues to provide extremely smooth gradations and rich shadow area detail.

The Power & Precision to Reach New Heights

Take advantage of an expansive imaging range and blazing speed

5-megapixel continuous shooting (RAW/TIFF/JPEG) ^{Hi}



Shoot up to 3 frames per second at full resolution (2,560 x 1,920 pixels) in High Speed mode, as opposed to 2 fps with the DiMAGE 7i. The high-volume 64MB buffer memory has twice the capacity of the DiMAGE 7i, allowing capture of as many as 5 RAW, 3 TIFF, or 10 JPEG (Fine mode) images in one sequence. Alternatively, when you want more speed, shift to the UHS (Ultra High Speed) mode to boost your capture rate to approx. 7 fps in SXGA resolution (1,280 x 960 pixels).

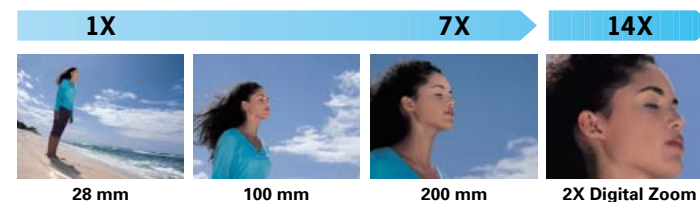
Shutter speeds from 1/4,000 to 15 seconds ^{Hi}

Shutter speed can be adjusted to 1/4,000 second in P or A mode, and a short shutter release time lag helps you shoot with utmost precision. And because shutter speed can be extended to 15 seconds, you get even more control over exposure. The DiMAGE 7Hi is able to capture high-quality time exposures (up to 30 seconds) with reduced noise.

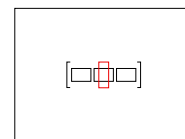
7X optical zoom (28mm Wide to 200mm Tele)

An expansive zoom range is an absolute must for dynamic imaging. At its widest 28mm angle, the DiMAGE 7Hi is ideal for capturing lots of scenery or composing panoramic landscape shots. Optical zoom can be magnified 7X to a telescopic 200mm equivalent angle, which gives you the added distance you need for sporting events and similar situations. Finally, the handy 2X digital zoom doubles your reach to 400mm with the touch of a button.

Focal lengths are 35mm film camera equivalents.



Rapid autofocus



The DiMAGE 7Hi offers fast, responsive autofocus through the inclusion of a high-speed LSI image processing chip and other innovations. A 3-point autofocus system with central cross hair supports high accuracy, and the CCD's automatic gain adjustment enables you to focus in dim lighting without a flash. For added flexibility, Direct Manual Focus (DMF) allows quick manual adjustments once autofocus is locked—a useful feature especially with macro photography.

Versatile macro shooting capabilities

The Wide/Tele macro capability gives you plenty of flexibility for creating quality close-ups, allowing you to capture them whether the lens is at its widest angle or fully extended. Wide-angle macro lets you include more of the background into the frame when shooting flowers or other small objects. Tele macro, on the other hand, is great for filling the frame with your subject. And to get a better view, you can enlarge the central part of the viewfinder with 4X Electronic Magnification.



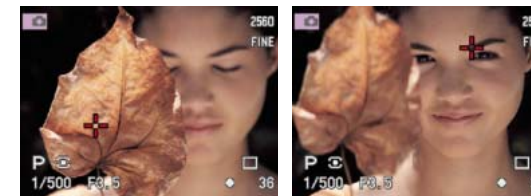
Wide Macro



Tele Macro

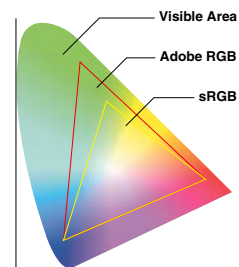
Flex Focus Point (FFP)

With FFP, you can move the cross hair focus point to any position within the frame, to keep an off-centre subject in focus or to focus on one subject within a group. Like Direct Manual Focus, FFP is very effective in macro imaging situations.



Precision-boosting features let you confidently craft your images

Advanced colour management ^{Hi}



Colour Space Comparison

Adobe RGB, which features a larger scope of colours than sRGB, can be selected as the camera's colour space. You can also choose to embed the camera's ICC Profile with your images, so that compatible applications (such as Adobe Photoshop) accurately handle colour management between the DiMAGE 7Hi, your computer monitor, and other devices. These features ensure that you get optimum fidelity for a wide range of image editing needs with images captured under different conditions.

Extra Fine shooting mode ^{Hi}

Extra Fine mode produces JPEG images at 2.5:1 compression, a rate that is lower than that of Fine mode. It is very effective for shooting a bright sky or shiny objects due to processing that minimises loss in the high frequency areas of an image.

Ergonomic design with comfortable grip ^{Hi}

The rubber grip is shaped and textured to provide a comfortable hold at all times. For ease of use, the four-way cross key is separated from the central button, and capture controls are separated from playback ones. Overall style is enhanced by the camera's leather textured finish.

9-position white balance control ^{Hi}



A total of nine settings provides you with total flexibility over white balance. Auto is complemented with five preset options: daylight, cloudy, tungsten, and two types of fluorescent (white, cool white). Three customised settings are available as well.

Restoring manual settings ^{Hi}

Pressing the Program Reset button shifts you into automatic operation. But you can also return to settings you had right before that, using a convenient "undo" function that eliminates the trouble of resetting various features one by one.

Real-time histogram display



Prior to image capture, you can check the live image's brightness distribution through a histogram displayed on the LCD monitor or in the viewfinder. This information helps you make manual exposure adjustments with Program Shift.

Extensive flash photography with sync terminal ^{Hi}



The high-performance built-in flash has two metering modes to choose from, to match the situation you're in: ADI (Advanced Distance Integration) flash metering or pre-flash TTL metering. Selectable flash modes include wireless/remote flash control. The DiMAGE 7Hi can be paired with various optional flash units as well, such as the Program Flash 5600HS(D)/3600HS(D), or the Macro Twin Flash 2400 or Macro Ring Flash 1200 for capturing elaborate close-ups. In addition, the sync terminal gives you a reliable way to connect the DiMAGE 7Hi to studio flash systems.



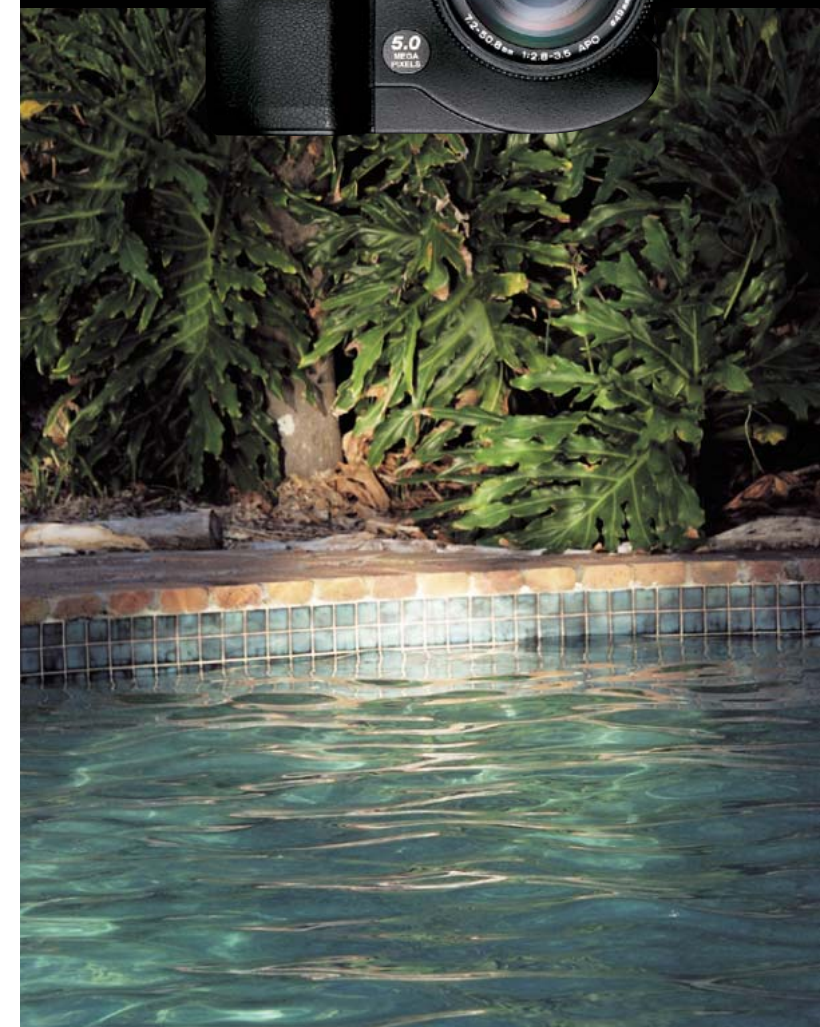
Easy-to-view LCD monitor



The high-contrast, low-temperature polysilicon TFT LCD monitor offers a live image with clear colours, smooth display of moving subjects, and a wide field of view. It displays a variety of shooting data, and has three selectable focusing screens: standard, grid, and scale. In low-light situations, the monitor and viewfinder automatically increase visibility through a special colour read-out system in the camera's CCD. This makes it easy to check, at any time, how your subject looks.



DiMAGE 7Hi



Advanced digital technology gives you even more creative options

Digital Hyper Viewfinder with 100% field of view



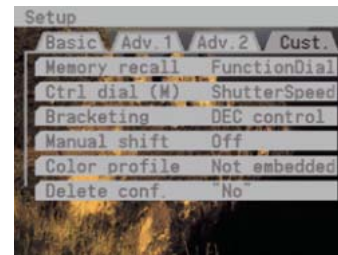
The Digital Hyper Viewfinder gives you an extremely clear view of the scene thanks to resolution equivalent to 220,000 pixels and its 100% field of view. Various data are displayed within the viewfinder, and you can use it to confirm how exposure, saturation, and other factors have been adjusted before shooting. As an aid to composition, particularly during macro imaging, it can be tilted up to 90 degrees.

And a sensor detects when your eye is on the viewfinder, and temporarily shuts down the LCD monitor to conserve battery power. The viewfinder can be adjusted between -5 and +0.5 diopters for comfortable operation with or without eyeglasses.



Customisable interface ^{Hi}

Camera controls can be customised in various ways to better suit your specific needs and preferences. For example, control over shutter speed or aperture during manual mode can be assigned to the front dial, and colour profile information can be embedded in the image file. In addition, quick and easy exposure settings are available through the Digital Subject Program Selection, which has settings for various types of scenes: portrait, sports, sunset, night portrait, and text.



Menu for customised setup



Digital Subject Program Selection: Sunset mode

Digital Effects Control (DEC)

Digital Effects Control provides a tremendous amount of control over the final look of your images. With it, you can adjust different factors before taking your first shot: exposure, contrast, saturation, and coloured filter. Each setting has 7 levels. The effects of adjustments can be confirmed on the LCD monitor or in the viewfinder, and the application of these effects does not degrade your image data in any way. DEC can be paired with another feature, Digital Enhancement Bracketing, for even greater creative control.



Dark

Normal

Bright

Coloured Filter (monochrome)

Versatile movie recording & playback

Movie clips with audio can be up to 60 seconds long, in QVGA resolution (320 x 240 pixels). The DiIMAGE 7Hi can also record movies in dark places. As for playback, a series of images captured with UHS continuous advance can be viewed at VGA resolution (640 x 480 pixels), and images taken with interval recording are shown at the file size at which they were captured.

Voice memo and text input

For enhanced record keeping, you can add voice memos (5 or 15 seconds, selectable) to captured images, and include text-based information as well: date, time, serial numbers, and text messages (up to 16 alphanumeric characters).

Diverse colour modes

Coloration is another creative variable to consider, and you have four modes to choose from; Vivid Colour, Natural Colour, Solarisation, and Black & White. By combining them with other features, you can create specific effects. For example, DEC's filter setting, which simulates a coloured filter, can be used with Black & White to produce a total of 11 monochromatic effects. These tones range from black & white to sepia, green, purple, and blue.



Natural Colour

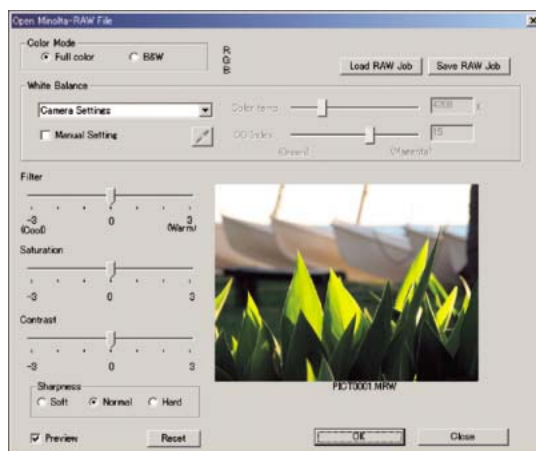
Vivid Colour

Solarisation

Black & White

DiIMAGE Viewer

This utility software lets you check and manage your images with ease, and has colour matching and other features for image editing. Images can be imported from the DiIMAGE 7Hi in RAW format (12-bit colour data unprocessed by the camera), and saved in TIFF, JPEG, or BMP (PICT) formats. Movie compensation tools include flicker compensation and controls for colour correction, contrast, saturation, sharpness, and brightness.



Sophisticated Quick View ^{Hi}

Quick View makes it easy to check images because you don't have to switch out of image capture mode to do so. With push-button simplicity, you can enjoy any of the camera's playback features, including histogram display and index display.

Other notable features

- Control sounds: SLR-like shutter release sound and more
- High-precision autoexposure with 300-segment metering
- Digital Enhancement Bracketing in three steps (+/- 0.3, 0.5, or 1.0 EV)
- Adjustable sensitivity: Auto or ISO-equivalent 100, 200, 400, and 800
- Compatibility with Exif Print and PRINT Image Matching II
- IBM Microdrive compatibility
- Leather shoulder strap included



System Compatibility

- IBM PC/AT compatible models with Windows XP, Windows Me, Windows 2000 Professional, Windows 98*, or Windows 98 Second Edition* and with a USB port as standard interface.
- Apple Macintosh models with Mac OS 8.6** - 9.2.2 or Mac OS X v.10.1 - 10.1.5 and with a USB port as standard interface.

- * Users of the Windows 98 and Windows 98 Second Edition must install dedicated driver software included in the DiIMAGE 7Hi package.
- ** Users with Mac OS 8.6 must download and install free driver software from the Apple Computer web site.

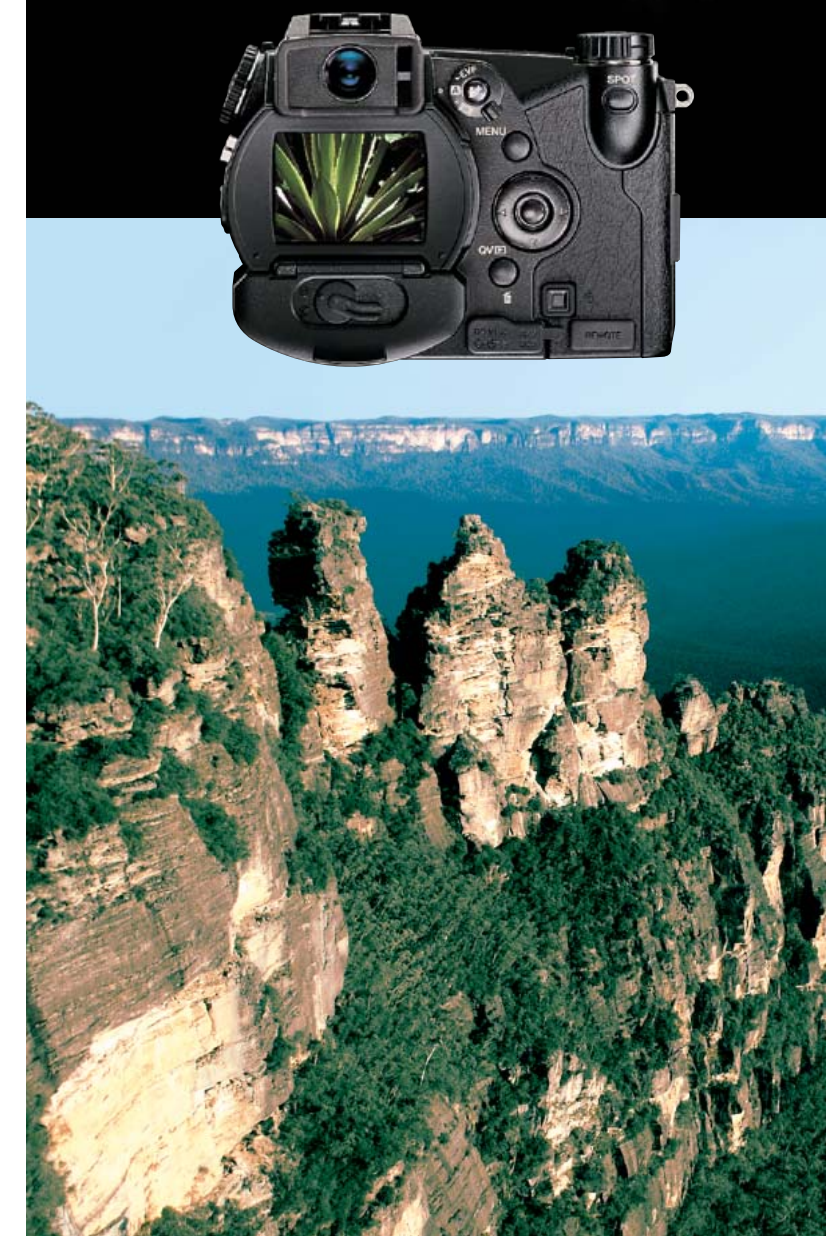
Notes:

- 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.

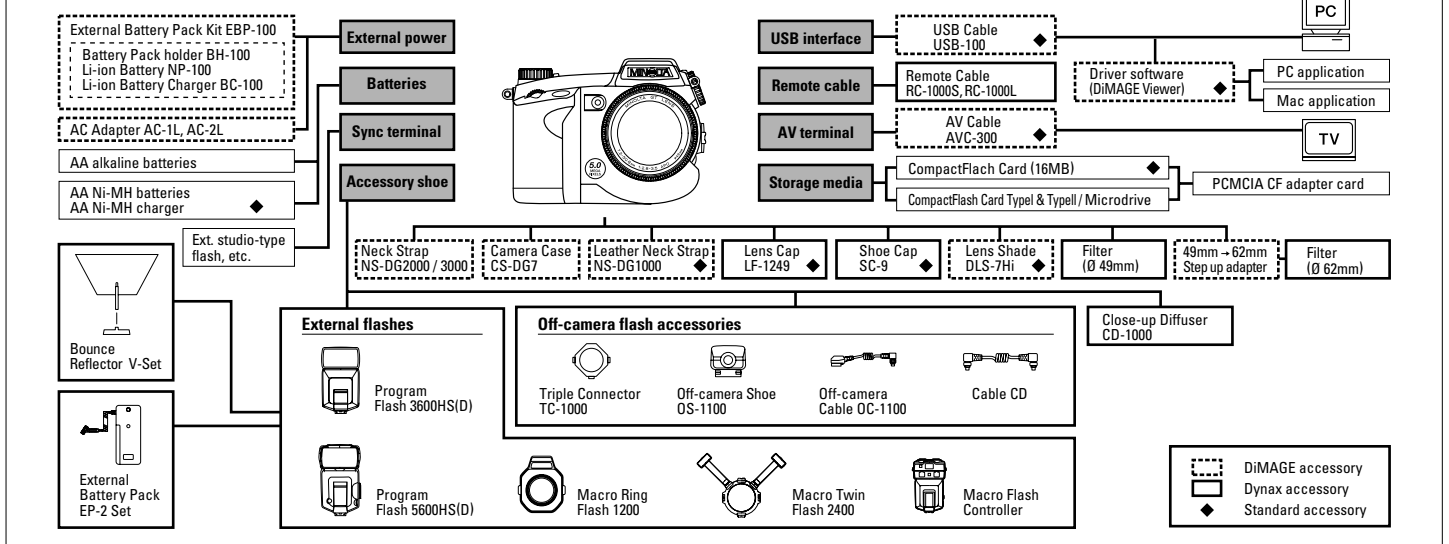
The photographs in this brochure (except for product photos) were taken by Chukyo Ozawa.



DiIMAGE 7Hi



Extensive system accessories give you even greater functionality



SPECIFICATIONS

Number of effective pixels	Approx. 5.0 million (2568 x 1928)	Eye relief	20 mm (from eyepiece)
CCD	2/3-type interline primary-colour CCD, total pixels: approx. 5.2 million	A/D conversion	12 bits
Camera sensitivity	Auto, ISO 100, 200, 400, 800 equivalents	File formats	JPEG, TIFF, Motion JPEG (MOV), RAW, DCF 1.0 / DPOF 1.1-compliant
Aspect ratio	4:3	Printing output control	Exif Print, PRINT Image Matching II
Lens construction	16 elements in 13 groups (includes two AD glass elements and two aspheric elements)	Recording media	Type I and Type II CompactFlash cards IBM Microdrive (170MB, 340MB, 512MB, 1GB)
Maximum aperture	1/2.8 – 1/3.5	Image-quality modes	RAW, Super fine (TIFF), Extra-Fine, Fine, Standard
Focal length	7.2 – 50.8 mm (35 mm equivalent: 28 – 200 mm)	Number of recorded pixels	Still images: 2560 x 1920, 1600 x 1200, 1280 x 960, 640 x 480 Movie clips: 640 x 480 (UHS continuous-advance mode), 320 x 240 (standard, night movie modes), Time-lapse movie at all image sizes
Focusing range (from CCD)	0.5 m to infinity Macro: Wide 30 – 60 cm, Telephoto 25 – 60 cm 0.177x (Equivalent to 0.7x in 35 mm format) Area covered at maximum magnification: 50 x 37 mm (approx.)	Colour modes	Natural Colour (sRGB), Vivid Colour (sRGB), Adobe RGB, Black and white (neutral and toned), Solarisation Three levels (Soft, Normal, Hard)
Maximum magnification	Manual zooming ring Video AF. Focus lock available.	Sharpness settings	RAW: 9.6 MB, Super fine: 14.2 MB, Extra Fine: 4.8 MB, Fine: 2.5 MB, Standard: 1.5 MB, Movie: 297 KB / second
Optical zooming control	Wide focus area, Spot focus point	File size* (approx.)	(2560 x 1920)
Autofocus system	Flex Focus Point control with spot focus point mode	Storage capacity* (16MB)	(approx.) (2560 x 1920)
Autofocus areas	Autofocus: Single-shot AF, Continuous AF. Manual focus P (Programmed AE) (with program shift), A (Aperture priority), S (Shutter priority), M (Manual). AE lock available.	Storage capacity* (16MB)	(approx.) (2560 x 1920)
Focus modes	Multi-segment (300 segments), Centre-weighted, Spot	Continuous-advance modes	(approx.)
Exposure modes	P/A/M modes: Wide, Ev -1 – 18, Telephoto: Ev -0.4 – 18.7 S/M modes: Wide, Ev -1 – 17, Telephoto: Ev -0.4 – 17.7	Interval recording	High Speed continuous advance (2560 x 1920 size): up to 3 fps Continuous advance: up to 2 fps UHS continuous advance (1280 x 960 size): 7 fps 2 – 99 frames. Interval time: 1 – 10 / 15 / 20 / 30 / 45 / 60 minutes
Metering	CCD electronic shutter and mechanical shutter	Digital Enhanced Bracketing	Exposure, Contrast, Colour saturation, Filter (Number of brackets: 3 frames)
Exposure control range	15 – 1/4000 seconds (in P / A modes, ISO 100)	Self-timer	10 seconds (approx.)
Shutter	Bulb (max. 30 seconds)	Movie recording	- Standard movie mode / Night movie mode: 60 seconds (max.) at 15 fps with / without monaural audio - UHS continuous-advance movie mode: at 7 fps (approx.) with audio - Time-lapse movie mode: at 4 fps without audio
Shutter speed range	Automatic, Preset (Daylight, Tungsten, Fluorescent 1, 2 (white / cool white), Cloudy), Custom (3 positions)	Audio	Voice memo: 5 / 15 seconds monaural audio with still image, File format: WAVE Two tones and two shutter sound effect settings
White-balance control	Portrait, Sports action, Sunset, Night portrait, Text Exposure, Colour saturation, Contrast compensation, Filter	Audio signals	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.
Digital Subject Programs	± 2 Ev in 1/3 increments	Exif tag information	Single, multiple, or all frames can be deleted Available in the Play mode
Digital Effects Control	ADI, Pre-flash TTL, Manual flash control	Delete function	Year / month / day, Month / day / time, Text, Text and serial numbers
Exposure compensation	All shutter speeds	Format function	2x
Flash metering	Fill-flash, Red-eye reduction, Rear flash sync, Wireless / Remote flash (from CCD) Wide: 0.5 – 3.8 m, Telephoto: 0.5 – 3 m (Camera sensitivity: auto)	Data imprinting	Four AA Ni-MH or alkaline batteries (Use of Ni-MH batteries is recommended.) Number of recording: 220 frames Continuous playback time: 120 minutes
Flash-charge speeds	Accessory shoe or flash sync terminal	Digital zoom	Start-up time: 2.6 seconds. Shutter-release time lag: 0.1 second
Flash modes	7 seconds (approx.)	Batteries	6V DC (with specified AC adapter, AC-1L or AC-2L) PC interface: USB 1.1, AV output: PAL / NTSC
Built-in flash range (approx.)	± 2 Ev in 1/3 increments	Battery performance	117 x 90.5 x 112.5 mm
External flash connection	EVF (Electronic viewfinder), Variable-position: 0 – 90°, Automatic monitor amplification, Electronic magnification for manual focusing	Operating time (approx.)	530 g without batteries or recording media
Recycling time	Ferroelectric 4.8 mm (0.19 inch) reflective liquid crystal microdisplay Equivalent visual resolution: 220,000 pixels, Field of view: 100% (approx.)	External power source	● Leather Neck Strap NS-DG1000 ● Lens Cap (49mm) LF-1249 ● Accessory Shoe Cap SC-9 ● AV Cable AVC-300 ● CF (CompactFlash) Card (16MB) ● USB Cable USB-100 ● DiIMAGE Software CD-ROM (Includes DiIMAGE Viewer) ● Lens Shade DLS-7Hi ● Four AA Ni-MH batteries ● Ni-MH Battery Charger
Flash compensation	Total pixels: 118,000, Field of view: 100% (approx.)	Interface	
Viewfinder type	Recording mode: Live image, Grid, Scale, Quick view, Instant playback, Histogram of live image, Various statuses	Dimensions (WxHxD)	
Viewfinder LCD	Playback mode: Single-frame, Index, Enlarged playback, Slide show, Histogram of recorded image, Various statuses	Weight	
LCD monitor	Auto-display, Electronic-viewfinder display, External LCD-monitor display 0.31 – 2.1x. Diopter control: -5 – +0.5 diopter	Standard accessories	
Display format			
Display-mode switch			
Viewfinder magnification			

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
More compatibility information (in English/French/German) at www.minoltaeurope.com/pe/digital/languages_stage.html

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