KONICA MINOLTA

Digital SLR Camera with
World's First Body-Integral Anti-Shake Technology

MAXXUM 7D

AS
ANTI-SHAKE

http://konicaminolta.com

The essentials of imaging

INTUITIVE OPERATION & ROCK-STEADY IMAGING AT ANY FOCAL LENGTH

The new MAXXUM 7D offers superb 6.1-megapixel image quality and body-integral CCD-Shift Anti-Shake that lets you enjoy the expanded creative freedom of blur-free handheld shooting with any MAXXUM AF lens. Operation is intuitive, with responsive handling and high-quality construction that measure up to the highest standards of digital SLR performance.

MAXXUM 7D

APS-C size 6.1-megapixel CCD and advanced image processing for superior image quality

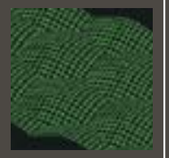
Large-sized CCD

Advanced LSI

- An **APS-C size 6.1-megapixel CCD** captures the high-resolution image data you need to produce truly pro-quality prints.
- High-speed image processing is provided by a **dedicated LSI** that ensures superior image quality, low noise and power consumption, and fast, responsive shooting.
- **CxProcess™ III** technology optimizes saturation, edge sharpness, and highlight/shadow contrast for improved color fidelity.

Quality materials and intelligent control layout for easy, intuitive operation and handling

Glass pentaprism



Spherical acute matte focusing screen

Magnesium-alloy exterior

- The large, **2.5-inch LCD monitor** with 207,000 pixels provides a detailed view of images taken, as well as a user-friendly navigation system for advanced data display.
- The bright, **high-performance viewfinder** features a glass pentaprism and a spherical acute matte focusing screen, with 0.9x magnification for easy framing.
- MAXXUM SLR series **intuitive controls** include separate top-mounted dials for exposure mode and exposure/flash compensation settings, as well as a white balance dial.
- The optional **vertical control grip** provides superior control and comfort for vertically oriented photos, as well as additional power for extended shooting.
- **High-quality construction** featuring a magnesium-alloy body ensures the outstanding reliability and durability that experienced SLR users demand.

Proprietary CCD-Shift technology for fulltime Anti-Shake protection with any MAXXUM AF lens

ANTI-SHAKE

The exclusive Konica Minolta Anti-Shake system uses an extremely sensitive angle-speed sensor and a Smooth Impact Drive Mechanism (SIDM) to precisely shift the CCD to compensate for camera movement on both the vertical and horizontal axis. Unlike after-the-fact, digital 'correction' systems, it does not degrade image quality. And unlike lens-mounted optical systems, it provides effective camera-shake protection with a wide range of telephoto, wide-angle, macro and standard lenses.

High-performance AF/AE and advanced, pro-oriented features for extended shooting capabilities

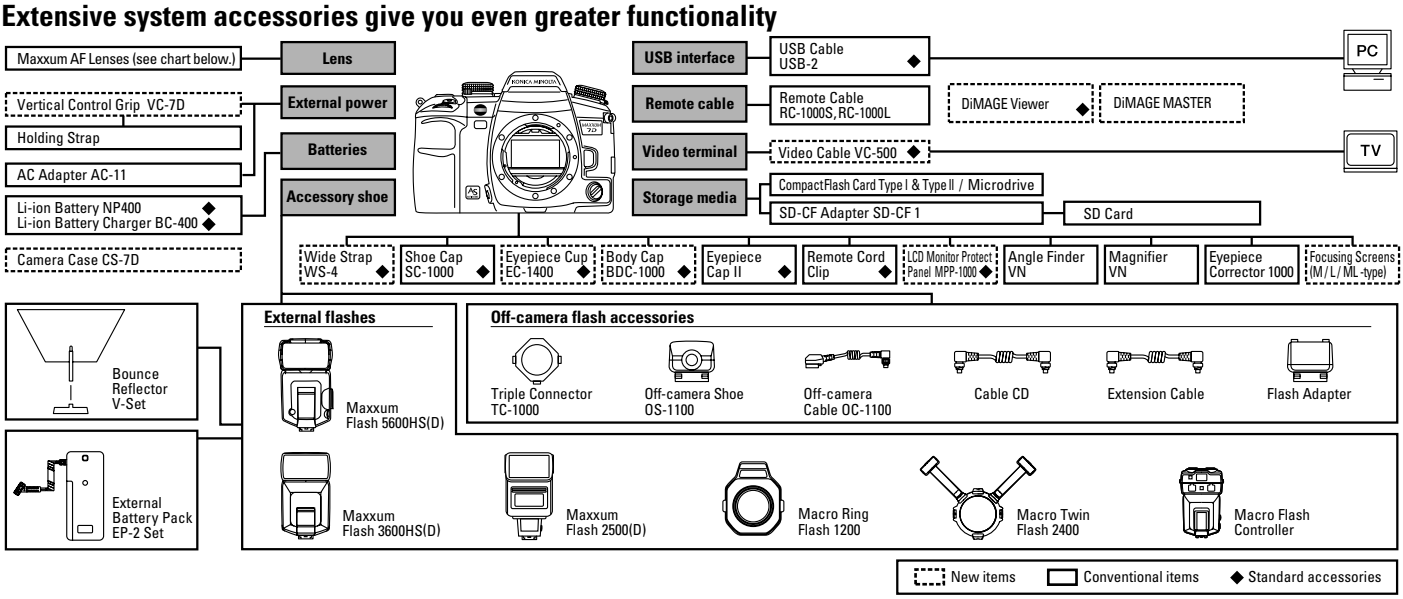
- **Advanced AF and AE** functions include a 9-point AF system and a choice of 14-segment honeycomb-pattern, center-weighted average or spot metering.
- **Creative focus control** allows users to instantly switch from auto to manual focusing so that they can express themselves more freely.
- **High-capacity buffer memory** allows fast data transfer for enhanced performance during rapid, high-resolution shooting.
- High-speed **continuous shooting** of up to 15 frames at a speed of 3 frames per second is possible in JPEG image data formats (up to 9 frames in RAW and RAW+JPEG). * at JPEG, L-FINE
- **Simultaneous RAW and JPEG data capture** lets you save images in both formats for maximum editing and post-processing flexibility.

Rear view of the MAXXUM 7D with large, 2.5-inch LCD monitor.

Software and connectivity tools for easy image downloading, editing and library management

- **DiMAGE Viewer** software enables you to view images and EXIF data, add comments and print instructions, and perform basic image-editing tasks.
- Optional **DiMAGE Master** features an advanced algorithm for high-quality RAW data processing, and a wide range of image-editing and workflow productivity tools.
- **Hi-Speed USB 2.0** connectivity is provided for fast, efficient file transfer.

Extensive system accessories give you even greater functionality



A broad range of AF lenses for the versatility you require

AF ZOOM LENSES
- AF 17 - 35mm f/2.8 – 4(D) NEW
  Wide-angle, 25.5–52.5mm* zoom lens with high resolution and brightness, optimized for use with the APS-C CCD.
- AF 17 - 35mm f/3.5 G
- AF 20 - 35mm f/3.5 – 4.5
- AF 24 - 85mm f/3.5 – 4.5
- AF 24 - 105mm f/3.5 – 4.5(D)
- AF 28 - 70mm f/2.8 G
- AF 28 - 75mm f/2.8(D) NEW
  42–112.5mm* zoom lens with bright imaging at any focal length, optimized for use with the APS-C CCD.* 35mm film camera equivalent
- AF 28 - 80mm f/3.5 – 5.6(D)
- AF 35 - 80mm f/4 – 5.6 II
- AF 28 - 100mm f/3.5 – 5.6(D)
- AF 70 - 200mm f/2.8 Apo G(D) SSM
- AF 70 - 210mm f/4.5 – 5.6 II
- AF 75 - 300mm f/4.5 – 5.6(D)
- AF 100 - 300mm f/4.5 – 5.6 Apo(D)
- AF 100 - 400mm f/4.5 – 6.7 Apo

STANDARD LENSES
- AF 50mm f/1.4
- AF 50mm f/1.7

WIDE-ANGLE LENSES
- AF 16mm f/2.8 Fisheye
- AF 20mm f/2.8
- AF 24mm f/2.8
- AF 28mm f/2
- AF 28mm f/2.8
- AF 35mm f/1.4 G

TELEPHOTO LENSES
- AF 85mm f/1.4 G(D)
- AF 100mm f/2.8 SOFT FOCUS
- STF 135mm f/2.8 [T4.5]*
- AF 200mm f/2.8 Apo G
- AF 300mm f/2.8 Apo G
- AF 300mm f/2.8 Apo G(D) SSM
- AF 300mm f/4 Apo G
- AF 400mm f/4.5 Apo G
- AF Reflex 500mm f/8
- AF 600mm f/4 Apo G

MACRO LENSES
- AF 50mm f/2.8 Macro(D)
- AF 50mm f/3.5 Macro
- AF 100mm f/2.8 Macro(D)
- AF 200mm f/4 Macro Apo G
- AF Macro Zoom 3X-1X f/1.7 – 2.8

AF TELE CONVERTERS
- AF 1.4X Tele Converter Apo(D)
- AF 2X Tele Converter Apo(D)

* Manual focus only

"G" designates the G-Lens group, a selection of large-aperture, high-performance lenses. (D) indicates the distance encoder system. When attached to the MAXXUM 7D, D lenses enable ADI (Advanced Distance Integration) flash metering with the built-in flash and external MAXXUM Flash 5600HS(D), 3600HS(D), and 2500(D). SSM (supersonic-wave motor) lenses provide quiet operation, with the improved AF accuracy of ultrasonic motor drive.
Note: Different from 35mm SLRs, when any of MAXXUM series AF lenses is attached to the MAXXUM 7D, the focal length will be roughly 1.5 times longer than those stated.

SPECIFICATIONS

CAMERA TYPE Digital SLR with built-in flash and interchangeable lens
LENS USED Minolta A-type bayonet mount * see above for the details

IMAGE CAPTURE
- **Image sensor** Interline primary color CCD (23.7 mm x 15.6 mm) with interlace scan
- **No. of pixels (approx.)** Total: 6.3 million, Effective: 6.1 million
- **Sensitivity** Auto, ISO 100 / 200 / 400 / 800 / 1600 equivalents
- **White balance control** Automatic, Preset (Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash), Custom. Color temperature setting available

RECORDING
- **Recording media** Type I and Type II CompactFlash Cards / Microdrive, SD*Memory Cards / Multi Media Card* * with optional SD-CF1 in use
- **File format** JPEG, RAW, RAW+JPEG, (DCF 2.0 compliant, DPOF supported by printing functions in ver.1.1, Exif 2.2)
- **No. of recorded pixels** L: 3008 x 2000, M: 2256 x 1496, S: 1504 x 1000
- **Storage capacity (approx.)** (L: 3008 x 2000 / M: 2256 x 1496 / S: 1504 x 1000)
- **(with 256MB CF card in L / M / S size)** STD: 145 / 245 / 485, FINE: 85 / 147 / 306, EXTRA-FINE: 43 / 76 / 165, RAW+JPEG: 22 / 25 / 27, RAW: 30 / - / -
- **Color mode** sRGB1, sRGB2, Adobe RGB
- **Image quality mode** Standard, Fine, Extra-fine, Raw, RAW+JPEG
- **Contrast / saturation / sharpness / hue adjustment** 5 steps: -2, -1, – 0, +1, +2
- **Noise reduction** Available at shutter speed longer than 1 s
- **Delete function** Single, multiple, or all frames in a folder / memory card can be deleted *selectable in the Menu, except single frame deletion

PLAYBACK
- **LCD monitor** 2.5-inch TFT color, Total pixels: 207,000
- **No. of frame displayed** 1, Index (4, 9, 16 selectable)
- **Display mode** Image only, image + text, image + text + histogram

AF SYSTEM
- **Type** TTL phase-detection system
- **Sensor** CCD line sensors (9 points, 8 lines with center cross-hair sensor)
- **Sensitivity range** EV-1 ~ EV18 (ISO 100 equivalent)
- **Main functions** Wide area with local area selection, AF-A/C/S/MF switchable, predictive focus control for moving subject, auto-tracking focus-point display
- **AF illuminator** Activated with the built-in flash in low-light / low contrast situations. Range: 1 m ~ 5 m / 3.3 ft ~ 16.4 ft

AE SYSTEM
- **Metering type** Direct TTL metering; 14-segment honeycomb-pattern metering, Center-weighted average metering, Spot metering
- **Metering cell** 14-segment honeycomb-pattern SPC
- **Metering range** EV 0 (EV 3 with Spot metering) ~ EV 20 (ISO 100 conversion, with f/1.4 lens)
- **Exposure modes** FULL AUTO, P / PA / PS, A, S, M, Memory
- **Exposure compensation** ±3 EV in 1/2 EV increments, ±2 EV in 1/3 EV increments
- **Flash compensation** ±2 EV in 1/2 EV increments
- **Flash metering system** Multi-segment ADI / P-TTL flash metering, Manual
- **AE lock** Automatically activated with AF lock. Available with AEL button

BUILT-IN FLASH
- **Guide No.** GN 39 (in feet at ISO 100), GN 56 (in feet at ISO 200) * with 24mm lens cover in use
- **Recycling time** Approx. 3 s
- **Control** Manual switchover; lift-up for Fill Flash, push down for Flash Cancel
- **Flash mode** Fill Flash, Pre Flash with Red-eye reduction. (Rear flash sync, Wireless, High-speed sync. flash available with external flashes)

SHUTTER
- **Type** Electronically-controlled, vertical-traverse, focal-plane type
- **Range** 1/4000 s ~ 30 s, Time-exposure (Bulb) possible
- **Flash sync speed** 1/160 s (with Anti-Shake OFF), 1/125 s (with Anti-Shake ON)

VIEWFINDER
- **Type** Eye-level fixed system with optical-glass pentaprism
- **Focusing screen** Spherical Acute Matte (G-type as standard)
- **Field of view** Approx. 95%
- **Magnification** 0.9x * with 50mm f/1.7 lens focused on infinity, at -1 m^{-1}
- **Eye relief** Approx. 25 mm from the eyepiece, 21 mm from the eyepiece frame in -1 dioptor (-1m^{-1}), Eyepiece cup removable.
- **Diopter control** -3.0 ~ +1.0 m^{-1}

DRIVE
- **Drive mode** Single, Continuous, 10 s / 2 s Self-timer, Single bracket, Continuous bracket
- **Continuous advance (approx.)** Max. 9 frames (RAW / RAW+JPEG), max. 12 frames (JPEG, L-EXTRA-FINE), max. 15 frames (JPEG, L-FINE)
- **Self-timer** 10 s / 2 s delay selectable, with time display by LED
- **Exposure bracketing** With 0.3 / 0.5 EV increments, 3 / 5 frames

ANTI-SHAKE
- **System** CCD-Shift mechanism
- **Shake display** LED indicator in viewfinder
- **Shake compensation** Approx. EV 2 ~ EV 3 equivalent (varies according to the lens used & shooting conditions)

OTHERS
- **PC interface** USB 2.0 High-Speed
- **Battery** Lithium-ion battery NP-400
- **Battery performance** No. of frames recorded: approx. 400 (CIPA measurement), approx. 600 (Konica Minolta measurement)
- **External power source** 6 V DC (with specified AC adapter)
- **Dimensions (WxHxD)** Approx. 150 mm x 106 mm x 77.5 mm / 5.9 in. x 4.2 in. x 3.1 in.
- **Weight (approx.)** Approx. 760 g / 26.8 oz. * without batteries and recording media

Compatible computers
IBM PC / AT compatible computers: Windows Me, Windows 2000 Professional, Windows XP (Home / Professional), Windows 98, or Windows 98 Second Edition
Apple Macintosh computers: Mac OS 9.0 – 9.2.2, Mac OS X v.10.1.3 – 10.1.5, v.10.2.1 – 10.2.8, v.10.3 – 10.3.4.

● The actual number of frames may vary a ccording to the subject and media used. ● The computer and operating system must be guaranteed by their manufacturers to support USB interface. ■ Problems may be encountered 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. ● Users with Windows 98 and Windows 98 Second Edition operating systems must install dedicated driver software included in the DiMAGE Viewer CD-ROM.
● Inherent limitations in current LCD manufacturing technology may result in the appearance of one or more light or dark pixels in the LCD monitor. Such light or dark pixels do not affect overall performance or camera operation and are not indicative of monitor damage.

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: http://7digital.konicaminolta.com

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