



**Konica Minolta Dynax 7D**  
**Technical Specifications**

**Camera Type:** Interchangeable-lens Digital SLR camera

**Lens Mount :** Minolta A-type bayonet mount

**Image Capture:** Total pixels:6.3 million, APS-C size(23.5mm x15.7mm),Interline primary colour, interlace scan  
Sensitivity: Auto and 100, 200, 400, 800, 1600,and 3200 ISO equivalentents  
Aspect ratio: 3:2

**Recording:** Recording Media: Type I and Type II CompactFlash cards, Microdrive, SD Memory Cards and MultiMedia Cards with optional CompactFlash Adapter SD-CF1  
File format: JPEG, RAW, RAW+JPEG  
(DCF 2.0 compliant, DPOF(supported by printing functions in ver/1.1), Exif 2.2)  
Number of recorded pixels:  
L:3008x2000,M:2256x1496,S:1504x1000  
Storage capacity: Approximate storage capacity of a 256MB CompactFlash card:

	L	M	S
RAW	30 frames	-	-
RAW+JPEG	22 frames	25 frames	27 frames
Extra fine	43 frames	76 frames	165 frames
Fine	85 frames	147 frames	306 frames
Standard	145 frames	245 frames	485 frames

Colour mode: Natural: sRGB, Natural +: sRGB, Adobe RGB  
Image quality mode:  
Standard, Fine, Extra-fine, RAW, RAW+JPEG (Fine)  
Image correction: Contrast, Colour saturation, Sharpness, Hue (5 levels)  
Colour temperature setting: available  
Noise reduction: Available (at shutter speed longer than 1 s, ON/OFF selectable)  
Delete function: Single frame, Marked frames or All frames in a single folder in card can be deleted.

**White balance control** Automatic, Preset (Daylight, Shade, Cloudy, Tungsten, Fluorescent, Flash), Custom, Colour temperature setting available



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**Playback:**

LCD monitor: 2.5-inch type TFT colour  
Total pixels: 207, 000

Navigation system (Enlarged display, Automatic rotate function)  
Number of frame(s) displayed: Single, Index (4 frames, 9 frames, 16 frames selectable)  
Display mode: Image only, Image + text, Image + text + histogram  
Enlarged playback (Up to approx. 5x), Luminance limit Display (flashing), File browser, Slideshow, Instant bracket playback

**Autofocus System:**

Type: Through-the-lens (TTL) phase-detection system  
Sensor: CCD line sensors (9 points, 8 lines with centre cross-hair sensor)  
Sensitivity range: EV-1 –EV18 (ISO 100)  
Autofocus area: Wide focus area, any local focus area is selectable from 9-point sensors.  
Focus mode: Autofocus/Manual focus can be selected.  
Autofocus mode: Single-shot AF, Continuous AF, Automatic Autofocus, Direct Manual Focus (DMF) is selectable in menu).  
Predictive focus control for moving subjects. Auto-tracking focus point display  
Focus lock: Available (by pressing the shutter release button halfway down)  
AF illuminator: Available (with pre-flash) 1.0-5.0m/3.3-16.4 ft.

**Auto Exposure System:**

TTL metering using 14-segment honeycomb-pattern SPC (14-segment Honeycomb-pattern/Centre-weighted/Spot metering)  
Metering range: EV 0 - 20 (EV 3 - 20 in spot metering) \*at ISO100 with f/1.4 lens  
Exposure modes: P/Full-auto program (Programmed AE with program shift), A (Aperture priority), S (Shutter priority), M (Manual)  
Exposure-compensation compensation:  
+/- 3 EV in 1/2 increments  
+/- 2 EV in 1/3 increments  
AE lock: Automatically activated with AE lock, Available with AE lock button



**Flash:** Flash metering: Advance Distance Integration (ADI), Pre-flash TTL, Manual flash control  
 Guide number: 12 (in meters at ISO 100), 17(in meters ISO 200)  
 Coverage: 24mm  
 Recycling time: 3s (approx.)  
 Control: Manual switchover. Lift-up for Fill Flash, push down for Flash Cancel.  
 Flash modes: Fill Flash, Flash Cancel, Red-eye Reduction (pre-flash), Wireless/Remote Off-camera Flash, Rear Flash Sync. , High Speed Sync.  
 Flash compensation: +/- 2 EV in 1/2 stop increments

**External-flashes:** Program Flash 5600HS(D), 3600HS(D), 2500D, Macro Twin Flash 2400\*, Macro Ring Flash 1200\* with flash sync. terminal.  
 \*Macro Flash Controller is necessary.

**Shutter:** Type: Electronically-controlled, vertical-traverse, focal-plane shutter  
 Range: 30-1/4000s, Bulb  
 Flash sync speed: 1/160 s (with Anti-shake OFF), 1/125s(with Anti-shake ON)

**Drive:** Drive modes: Single, Continuous, 10s/2s self-timer, Single bracket, Continuous bracket  
 Continuous advance: Approx 3 fps

Approximate number of frames that can be captured at one time:

	L	M	S
RAW	9 frames	-	-
RAW+JPEG	9 frames	9 frames (JPEG)	9 frames (JPEG)
Extra fine	12 frames	14 frames	20 frames
Fine	15 frames	19 frames	30 frames
Standard	19 frames	26 frames	43 frames

L: 3008x2000, M: 2256x1496, S: 1504x1000

Exposure bracketing: With 0.3/0.5 EV increments, 3/5 frames

Interval recording: Interval time: 30s/1-10,15,20,30,45,60min. 2 - 240 frames. Start timer is equipped. (Setting: 0.5 to 24H, in 0.5 increments)

Other functions: Instant playback, Customising, Zone matching



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<b>Anti-Shake:</b>	CCD-Shift Anti-Shake system with LED indicator in viewfinder Anti-Shake effect: Equivalent to 2 – 3 steps in shutter speed (Actual effect varies depending on shooting conditions and the lens used)
<b>Viewfinder:</b>	Type: Eye-level fixed pentaprism Focusing screen: Spherical Acute Matte (G-type as standard) Field of view: Approx. 95% Magnification: 0.9X (with 50mm lens focused on infinity) Dioptre control: -3.0 to + 1.0 m <sup>-1</sup>  Eye-relief: 25mm from the eyepiece, 21mm from the eyepiece cup in -1 m <sup>-1</sup>  Eyepiece cup is removable. *Interchangeable focusing screen is available (type M, L, ML) at service facilities.
<b>Video output:</b>	NTSC / PAL
<b>Audio signal:</b>	Yes
<b>Printing output control:</b>	Exif Print, PRINT Image Matching II , PictBridge
<b>Others:</b>	
<b>PC interface :</b>	USB 2.0 High-Speed
<b>Remote function:</b>	Remote data storage: TBC. (Remote-storage function software 'DiMAGE Transfer' for Dynax 7D to become available for free download .It is planned for release in January 2005.
<b>Power:</b>	Battery: One NP-400 Li-ion battery Battery condition indication: 4-stage indicator appears when the camera is turned on. External power source: 6V DC (with specified AC adapter AC-11), Vertical Control Grip VC-7D
<b>Battery Performance (with fresh batteries): Number of recording images:</b>	<ul style="list-style-type: none"><li>① Approx 400 frames. (CIPA measurement*1)Conforming to CIPA standard test method with a CompactFlash card and an NP-400 lithium-ion battery.</li><li>② Approx 600 frames (Konica Minolta measurement A*2)</li><li>③ Approx 2000 frames (Konica Minolta measurement B*3) Conditions: Anti-Shake: ON, Recording media :512MB CompactFlash Card, Battery: Li-ion Battery NP-400, *1:CIPA:Camera &amp; Imaging Products Association *2: Flash: OFF, other conditions are same as CIPA measurement. *3: Drive mode: 5 frames continuous shooting, Flash ;OFF, Instant Playback: NO</li></ul>



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**Dimensions**

**(W x H x D):** 150 x 106 x 77.5mm (5.91 x 4.17 x 3.05 inches)

**Weight:**

760g (without batteries and recording media)  
26.81 ounces

**Operating temperature:**

0 - 40 °C (32-104 °F)

**Standard accessories:**

DiMAGE Viewer CD-ROM, Li-ion Battery NP-400, Li-ion battery charger BC-400, Wide Strap WS-4, Shoe-Cap SC-1000, Eyepiece cap II, Eyepiece cup EC-1400, Body Cap BDC-1000, Remote cord clip, LCD Monitor Protect Panel MPP-1000, USB Cable USB-2, Video Cable VC-500

**Main Optional accessories:** Vertical Control Grip VC-7D, Camera Case CS-7D, AC adapter AC-11, SD-CF1 card adapter, Remote Cord RC-1000S, Remote Cord RC-1000L.

**Compatible computers:**

IBM PC/AT compatible computers : Windows 98\*/Me/2000(Professional)/XP(Home/Professional), Macintosh OS9.0-9.2.2/OS X v10.1.3-10.1.5/v10.2.1-10.2.8/v10.3-10.3.5

- 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 operating system must install dedicated driver software included in the DiMAGE viewer CD-ROM.

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

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