

MINOLTA DYNAX 8000i

1990



Serial Nr.11201166
Minolta Code 2075

Characteristics and functions

Device type: 35mm reflex. With intelligent autofocus (AF) and automatic exposure (AE) systems. Automatic, motorized transport of the film.

MINOLTA type "A" self-lubricating stainless steel bayonet lens mount with electrical contacts for integrated lens-camera control with all MINOLTA AF lenses.

MINOLTA TTL C-phase autofocus system with CD sensor system. Enlarged or central focus area with focus-priority shot. Built-in AF illuminator with automatic activation in case of low light, with a range of up to 9 meters.

Sensitivity range: The autofocus system has a sensitivity range of 0 to 18 EV with 100 ISO film in ambient light.

Automatic exposure range (AE): 0 to 20 EV with 100 Iso film and 50mm./1.4 lens.

Electronically controlled vertical-cross-scrolling focal plane shutter with exposure times from 1/8000" to 30".

Automatic exposure: (AE) programmed [P]. The shutter speed and aperture of the lens are set according to the program chosen automatically and are continuously changed according to the focal length of the lens used.

Auto Exposure: Aperture-Priority (AE) [A]. It is possible to choose the aperture in half values and the camera sets shutter speeds between 1/8000" and 30" without interruption. To set the settings, press the (MODE) button on the left of the pentaprism and move the cursor in front of the shutter button, displaying a liquid on the right on the upper casing, the letter corresponding to the desired one.

Compensation of exposure. By pressing the button (+/-, Flash) located to the left of the lens port while [+/-] is highlighted on the display and moving the front cursor to the right, the value is increased by 1/2 stop with each click, while moving the front slider to

the left decreases the value by 1/2 stop with each click. The limit of the intentional change in exposure is +/- 4 stops.

Spot reading: with any setting by pressing the [SPOT] button located on the far right rear side of the camera. Keep the button pressed while shooting. This setting can only be used on a temporary basis and is canceled each time the [SPOT] button is released.

Manual exposure: In manual mode [M], any combination of shutter speed / aperture can be set. Using the (MODE) button and the front cursor make the letter [M] appear on the display, then using the front cursor vary the shutter speed in integer values (towards the right e.g. from 250 to 500, towards the left e.g. from 250 to 125). To vary the diaphragms in 1/2 stop increments / decrements, use the front cursor in combination with the (shift) button which is located to the left of the optics nozzle - the second from the top, circular in shape.

Shutter button. The dual-function shutter button allows the activation of the exposure and focus system, the indications in the viewfinder and on the display when it is pressed partially; while pressing it fully the shutter releases.

Permitted sensitivity range: Films from 25 to 6400 ISO in ambient light and 25 to 1000 ISO in flash light with TTL metering can be used. With 1/3 EV subdivisions in both functions. The sensitivity setting is done automatically with DX type films and can be changed manually. To intentionally change the set sensitivity, open the flap located on the right side of the camera, press the [\leq Iso] button and, using the front cursor, modify the data that appears in the upper part of the display.

Film transport: automatic motorized with advancement to the first useful frame. Automatic coupling. Automatic rewinding at the end of the film or with intentional recovery of the film using the [\ll O \ll] button located in the right door. The advancement of the film by single frame or with a cadence of 3 frames per second can be set by selecting [[S]] or [||||] on the upper display, which can be set using the [FUNC] button and the front cursor.

Pentaprism viewfinder at eye level showing approximately 93% of the field actually framed on the 24x36mm frame area. Magnification of 0.84x with 50mm objective. placed at infinity. With Acute Matte type frosted glass (Minolta patent), spot metering circle, central focus area and enlarged area. In the lower part you can see the flash on, flash ready and the green signal of correct focus are visible. The focus signal turns red if autofocus is not possible. Then there is information related to exposure: [-] central focus area activated; shutter speed and set apertures; intentional variation of the set exposure [+/-]; spot reading [o]. In case of low light, the viewfinder LCDs light up.

Indicator panel. The upper display shows: The shutter speed, the aperture, the manual focus (M.Focus) using the vertical AF / MF slider located to the left of the lens port, the film sensitivity, the number of frames used (additive system), the self-timer operation [<Self Timer], which can be set by pressing the button inside the right door, the "bulb" shutter speed B, the battery charge status, the exposure, type of film advance, selected focus area, program expansion card used [CARD]. In low light conditions the display lights up automatically.

Self-timer: electronic with 10 second delay. The red LED on the right side of the front panel is intermittent. The self-timer setting can be canceled by pressing the shutter button a second time. If you want to temporarily block the self-timer function, set the main switch to [LOOK]. When the camera is reactivated, the self-timer setting will restart from the previous interruption point.

Accessories: 3-contact electrical control socket located on the lower end under the right door, protected by a rectangular cap. Compartment for program extension cards: the cards must be inserted from above once the door is opened, to extract them use the "eject" cursor located at the bottom inside the door. MINOLTA dedicated accessory shoe and flash - the four small contacts are used to establish the complete automatism between flash and camera - such as TTL metering. Two metal rings on the sides of the camera are used to support it by means of a dedicated MINOLTA shoulder strap. The

standard back is removable. The standard back has a window that allows you to see the type of film loaded. PB 7 PROGRAM BACK and DB 7 DATE BACK are available. PROGRAM 5200i, 3200i and 2000i flashes are available CD cable, EX cable, OC-1100 cable, OS-1100 remote shoe, TC- triple connector 1000. The remote controls RC.1000L of 5mt are available. And the 50cm RC1000S. of length. The IR-1N wireless remote control unit is available. It is available in 1200 AF close-up lighting system that can be used with the FS-1100 adapter with the Dynax 8000i. The EC-7 eyepiece shell, the eyepiece cap, the Vn magnifying viewfinder, the Vn angle viewfinder, the dioptic correction lenses for the eyepiece are available. 3 optional focusing screens and a 13x36mm mask panoramic photo system. to be inserted into the camera and the corresponding frosted glass with indications of the frame limits.

The back opening is located on the left side of the camera and consists of a button and cursor to be moved downwards.

The front rubberized handle and the recess for the thumb of the right hand placed on the back, facilitate the grip of the camera and use even with one hand.

The lens release button is the large square black plastic button located near the lens port on the left side. The red dot is present on the optics union for the correct insertion of the lens bayonet.

On the underside of the camera there are: tripod thread, chrome in almost central position and the battery compartment with twist lock (Open-Close).

The large [P] button located on the upper casing between the indicator panel and the pentaprism allows the camera to be reset to basic settings regardless of any intentional changes introduced.

Powered by a 6v 2CR5 lithium battery.

Dimensions: width 153mm.; height 93mm.; 69mm thick.

Weight: 600g. Without lens, without batteries and without expansion card.

N.B. The MC and MD series lenses are not compatible with the new "A" mount, so only the new "A" series AF lenses are suitable for the DYNAX 8000i.

