

MINOLTA DYNAX 7000i

1988



Serial Nr.16308493
Minolta Code 2076

Characteristics and functions

Device type: 35mm reflex. With integrated 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.

Phase detection MINOLTA TTL autofocus system with CCD sensor system; two vertical sensors, one horizontal sensor. 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): from 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 1/4000" 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 modified according to the focal length used.

Automatic exposure: (AE) with shutter speed priority [S]. It is possible to set any shutter speed between 1/4000" and 30", in whole values, the camera sets the aperture according to the possibilities of the lens.

Automatic exposure: aperture-priority (AE) [A]. It is possible to choose apertures in half values and the camera sets shutter speeds between 1/4000" and 30" without interruption. To change the settings, press the (MODE) button located to the left of the pentaprism and move the cursor located in front of the shutter button, displaying the letter corresponding to the desired setting on the liquid crystal display located on the right of the upper casing.

Compensation of exposure. Pressing the (FUNC) button while [+/-] is highlighted on the display and moving the front cursor to the right increases the value by 1/2 stop with each click, while moving the front cursor to the left decreases the value by 1/2 stops 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.

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 apertures in 1/2 stop increments / decrements, use the front cursor in combination with the (shift) button which is located to the left of the lens nozzle - the first at 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 [=< 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 [<< O <<] 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 symbols of the flash on, flash ready and the green signal of correct focus. 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].

Powered by a 6v 2CR5 lithium battery.

Acoustic signal: the camera beeps when the film is not properly inserted, when the battery is running low, when the subject is in focus, during self-timer operation and with prolonged shutter speeds. To activate the acoustic function, move the [LOOK / ON] cursor to the [o)))] position.

Self-timer: electronic with 10 second delay. The red LED located on the right side of the front panel is intermittent. There is simultaneously an audible signal if the [o)))] function is set. The self-timer setting can be entered or canceled by pressing the [<Self timer] button.

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. The PB 7 PROGRAM BACK and the DB 7 DATE BACK are available. The PROGRAM 3200i flash is available. CD cable, EX cable, OC-1100 cable, OS-1100 remote shoe, TC-1000 triple fitting. 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 7000i. 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 thumb slot on the back make it easier to grip the camera and use it 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, almost central chrome, 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.

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

Weight: 590g. 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 7000i.

