

MINOLTA XD-7

1977



Serial Nr.2034215
Minolta Code 2005-300

Characteristics and functions

Type of device: 35mm SLR with shutter or aperture priority automatic exposure control, or with manual exposure control with active exposure meter.

Objective Attack: All objectives of the MC and MD series are allowed. Optics release button on the left side of the coupling. Red indicator placed above the optics union for correct bayonet coupling. The complete locking of the bayonet occurs after a clockwise rotation of 54°.

Sensitivity range allowed from 12 to 3200 Asa. The sensitivity can be set using the large ring on the left where the Asa values are shown with subdivisions to 1/3 of the value. The release button is located in the immediate vicinity of the pentaprism, moved towards the rear. The reference on the camera is constituted by the o'clock placed in the center of the window which is located on the ring coaxial to the film retrieval lever.

Mechanical focal plane shutter with vertical sliding metal curtain and electromagnetic shutter release. Shutter times from 1" to 1/1000". Syncroflash at 1/100" (X).

Mechanical times that can also be used without batteries in the camera are: (O) = 1/100" and bulb (B).

Automatic exposure: at aperture priority with the selector in position [A] given a working aperture on the lens, the camera adjusts the time from 1" to 1/1000" without interruption; with shutter speed priority with the selector in position [S] and the speed dial set to a desired time, the correct exposure is obtained by rotating the aperture ring

on the lens with 1/2 stop adjustments.

Manual exposure: by turning the selector to the [M] position, the desired shutter speed and aperture can be set. The light meter remains active to report the values of the correct exposure. The set times are in full variations and the apertures at 1/2 stop.

Working range: from VL1 to VL 18 with 100Iso film and f./1.2 lens (1" with f./1.4 up to 1/1000" with f./11). Times that can be set by means of the selector located to the right of the pentaprism from 4" to 1/1000" with full increments and exposure (B). Syncroflash (X) at 1/100" or longer.

Measurement: integrated average with prevalence in the center by means of a cell (CdS) placed above the pentaprism.

Intentional exposure variation: correction up to [+/- 2 EV] is possible which is obtained by pressing the selector located to the left of the large coaxial ring on the recovery lever and moving it to obtain the desired variation with 1/2 stop settings placing it in the intermediate position between two integer values. Referring to the small white dash in the center of the selector itself.

Instant-return mirror, oversized, is mounted on a system that allows the reduction of vibrations.

Viewfinder: fixed at eye level pentaprism. The vision system is provided by a frosted glass with Acute Matte system (Minolta patent), Fresnel lens, with a microprismatic central area and image splitting system that provides 94% vision of the area actually framed. In the viewfinder you can see: 1) Function (A): shutter speed on the right, the red LEDs that indicate the set time - 1 full time LED, 2 intermediate time LEDs without interruption. In the lower part, the working aperture set on the lens. 2) Function (S): diaphragm suggested by the exposure meter for correct exposure on the right, the red LEDs indicate the suggested diaphragm - 1 full diaphragm LED, 2 intermediate diaphragm LEDs. In the lower part, in the center, the aperture actually set on the lens and, further to the right, the shutter speed set on the camera. 3) Function (M): suggested shutter speed for correct exposure on the right, the red LEDs indicate the suggested time - 1 full time LED, 2 intermediate time LEDs. In the lower part, in the center, the aperture set on the lens and, further to the right, the time set on the camera (only with integer values). Over / under exposure signals are provided by 2 triangulated red LEDs placed beyond the time scales or diaphragms. The upper LED also provides flash-ready indication in photography with dedicated Minolta flashes (for example AUTOELECTROFLASH 200X)

Shutter button: located on the upper casing, in the center of the shutter speed dial. The shutter button has a "touch" function that activates the exposure meter and the shot is obtained by lowering it by about 1 mm. There is no on and off button as the camera turns off automatically when you lift your finger from the shutter button.

Advancement of the film by means of the loading lever located on the upper cover to the right of the shutter button. The advancement of the film takes place with the rotation of about 130° of the lever (about 30° of dead stroke) in a single stroke or with small additive strokes. With the complete advancement of the film, the shutter is cocked at the same time.

Synchronization with the flash: it is obtained by means of the socket (X) located to the left of the optics union that allows synchronization on all times equal to or slower than 1/100", usable both with bulb flashes (single use) than with electronic flashes. Or by means of the contact located in the center of the accessory shoe located above the pentaprism, which can be synchronized with shutter speeds equal to or slower than 1/100", which can be used with bulb or electronic flashes. The smallest contact on the hot shoe is used for the dedicated Minolta flashes.

Mechanical self-timer, which can be set by means of the lever on the right, on the front, with a delay of 10" by lowering the lever to the end of its travel. Activation is achieved by means of the small button located under the lever itself.

Accessories: the accessory holder rail with flash contact is placed above the upper casing, above the pentaprism; the crank for rewinding the film, located on the left of the

upper casing, also has the function of unlocking and opening the back, pulling it up to the end of its travel; the automatic exposure counter, with additive counting and automatic reset when the back is opened, is located next to the loading lever in a semicircular window with a reference notch; The regular sliding of the film can be seen by observing a red tab appear in the special window that is located on the rear side of the camera, just below the loading lever; the red reference of the film plane is placed on the upper casing under the loading lever, when this is in the rest position; re-exposures are possible by pressing the clutch release button located below the camera and arming the shutter again by means of the loading lever; the button for controlling the depth of field is located on the left under the lens union; the selector (in plastic) for coupling "MC" with the exposure meter is placed around the optics nozzle, it moves around and above it; the "MD" coupling pin is placed on the right of the optics union in a window that allows it to travel by a few millimeters. The shoulder strap attachment system consists of two triangular rings placed in the chromed supports located at the ends of the front; the memo pocket, with Asa / Din conversion table is located on the back. The Data Back D date back is available to record the day, month and year on the negative. The tripod mount and the screw cap for the battery compartment (2 1.5v silver oxide batteries) in metal, are placed on the back together with the coupling for the Winder D, the guide for the same and the clutch release button for film recovery. The flexible shutter attachment is obtained by means of the thread in the center of the shutter button; eyepiece frame, made of plastic that allows the adaptation of a rubber lens hood shell (EH-7) to be inserted into the special lateral grooves; attachment for corrective lenses, inserting them under pressure inside the eyepiece frame. The viewfinder occluder is operated by rotating the control on the left, in the immediate vicinity of the viewfinder itself, by approximately 45° counterclockwise. Only electric remote control cables available: Cable Release 50L and 50S with a length of 5m respectively. and 50cm. The camera is available in a chrome finish with black lettering and in a black finish with white lettering.
Dimensions and weight: length 136mm.; height 87mm.; width 51mm.
Body weight only, without battery: 575g.

