

MINOLTA 7000 AF

1985



Serial Nr.18037031
Minolta Code 2072

Characteristics and functions

Type of device: 35mm SLR, autofocus with multi-programm AE exposure controlled by two 8-bit microcomputers.

Mount for MINOLTA bayonet type "A" with electrical contacts for integrated lens-camera control with all MINOLTA AF lenses.

Phase detection MINOLTA TTL autofocus system with CCD sensor system and microcomputer for direct digital adjustments.

Sensitivity range: 3 to 18 EV with 100 ISO film in ambient light. With the PROGRAM 2800AF program flash, when the subject is low in contrast or in poor lighting conditions, the AF illuminator turns on. Works with all MINOLTA AF lenses.

Focus signals: When the subject is in focus, a green LED lights up and the camera beeps. When the focus is manual (MF) the triangular red LEDs indicate which way to rotate the lens barrel. The red LEDs flash when it is necessary to switch between AF and MF for proper focus.

Controls: with the 4 keys located to the left of the pentaprism you can change the exposure (MODE), the motor setting (DRIVE), change the sensitivity of the film (ISO) and set the intentional variation of the exposure (+ / -).

Electronically controlled, vertically scrolling focal plane shutter. Shutter speed range:

1/2000" to 30" seamless on P and A, full-value settings on S and M. "BULB" shutter speed on manual setting only (M).

Film sensitivity allowed from 25 to 6400 ISO in ambient light and from 25 to 1000 ISO for a TTL measurement with flash. Possible increments 1/3 EV. Automatic sensitivity setting with DX identification magazines.

Center-weighted average measurement with silicon photocell (SPC) on pentaprism for measurements in ambient light. Range: 1 to 20 EV with 100 ISO film and 1.4 / 50mm lens. (for example: from 4" with f/1.4 to 1/2000" with f/22). A second silicon cell (SPC) is contained in the mirror box for TTL metering with the flash.

Program Exposure: (P) mode, shutter speed and aperture are set according to one of three automatic exposure programs set by the camera. Wide angle for focal length lenses up to 35mm. Standard for focal length lenses between 35mm. and 105mm. Tele for lenses with focal length greater than 105mm.

Aperture-priority automatic exposure: mode (A). The usable apertures can be set with half values using the blue buttons > or < near the shutter button or those placed on the left side near the lens mount, the camera sets the shutter speed without interruption.

Shutter speed priority automatic exposure: (S) mode. You can choose shutter speeds from 1/2000" to 30" in whole values, the camera sets the aperture based on those that can be used with the lens used. The speed adjustment can be made using the blue buttons > or < located near the shutter button or through those located on the left of the camera near the lens mount.

Manual exposure with light meter: mode (M). Shutter speeds and apertures can be adjusted: With the blue buttons > or < located next to the shutter button, you can adjust the shutter speeds with an integer variation; while with the blue buttons > or < located on the left side of the camera near the lens mount, you can adjust the diaphragms with variations of half a point at each press. The choice made on the exposure and the viewfinder indications, which show the correct exposure, give the photographer the amount of over or under exposure set.

Exposure-related commands: Intentional exposure correction from +4 EV to -4 EV is carried out by pressing the (+/-) button and changing the values in half aperture at a time using the blue > or < buttons. The exposure lock on a shooting area different from that of the frame is done by means of the (AEL) button on the back of the camera. The exposure remains blocked as long as the button is pressed. Any changes to the program (program shift) remain memorized as long as the camera remains active (button ON) or until you return to the basic settings using the [P] button located on the upper cover to the right of the liquid crystal panel.

Shutter button: The touch shutter button activates metering and liquid crystal displays that remain active for 10" after you take your finger off the button.

Pressing the shutter button for half of its stroke activates the focus system and locks the focus, pressing it fully triggers the shutter.

Film transport: automatic docking and advancement to the first useful frame. The built-in motor allows single-frame or continuous 2 frames-per-second advances, motorized rewind and motor stop when all the film is in the magazine. The regular hooking and transport of the film are marked on the control panel by means of three black dashes and the increase in the number of shots taken. The total rewinding of the film is instead signaled by the return of the frame counter to (0).

Fixed pentaprism viewfinder at eye level showing 94% of the frame of a 24x36mm film. With 0.85x magnification with 50mm lens. Focused to infinity. The focusing screen can be replaced by the photographer himself.

Dioptic correction lenses are available.

Liquid crystal panel: located on the upper casing to the right of the pentaprism indicates the type of exposure, any program change, shutter speed, aperture, exposure compensation, film sensitivity, number of exposed frames, the self-timer setting, shutter speed (B) and the low / low battery warning signs.

LCD in viewfinder: Automatically light up, indicate exposure type, program change, shutter speed, aperture, exposure compensation, film sensitivity, low battery, and also indicate whether the light is within the work and if there is under / over exposure. Powered by 4 AAA batteries or alternatively 4 AA batteries using the optional BL-70 handle for all functions. There is a built-in lithium battery to support memory functions lasting over 10 years. Automatic warning signal for insufficient energy. Main slide switch located to the right of the top LCD panel with three positions: [look-on-o]]).

Beeps in position o))) : subject out of focus, film end, self-timer, shutter speed is 1/30" up to 35mm. Lenses, 1/60" with lenses between 35mm. and 105mm., 1/125" with focal length lenses greater than 105mm.

Self-timer: electronic with 10 second delay. The red LED on the right side of the front is intermittent with three different types of pulsation: slow, fast and continuous in the last two seconds. There is simultaneously an audible signal and the countdown in the indicator panel located on the upper casing. The self-timer setting can be canceled by pressing the (DRIVE) button or turning off the black photo using the main switch (LOOK).

Accessories: 3-contact electrical control socket located on the lower left end of the front side of the camera, which is covered by a protective cap. MINOLTA dedicated accessory shoe and flash - the three small contacts are used to establish the complete automatism between flash and camera - such as TTL metering. Two metal rings serve to support the camera 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 SUPER 70 PROGRAM BACK and the PROGRAM 70 BACK are available. The PROGRAM 4000AF flash is available with the BOUNCE REFLECTOR II SET reflected light system. CD cable, EX cable, OC cable, remote shoe, TC-1000 triple connector, CG-1000 control handle, CG-1000 handle extension cable, AI- AF illuminator 1000 and the AC adapter complement the flash accessories. The IR-1N wireless remote control unit is available. For demanding uses, the camera can be powered by means of the EP-70 external power unit. The rubber lens hood for EH-7 eyepiece, the eyepiece cap, the Vn magnifying viewfinder, the Vn angle viewfinder, the dioptic correction lenses for the eyepiece and 4 interchangeable focusing screens complete the accessories dedicated to the MINOLTA. 7000 AF. The back opening is located on the left side of the camera. The lens release button is the large chrome button located near the lens port on the left side.

Weight: 555g. without lens and without batteries and with standard handle for 4 AAA batteries. Dimensions: width 138mm.; height 91.5mm.; 52mm thick.

N.B. The MC and MD series lenses are not compatible with the new "A" mount, therefore only the "A" series AF lenses should be fitted to the 7000 AF.

