

MINOLTA 16 EE

1962



Serial Nr° 112406
Minolta Code 0206

Characteristics and functions

The Minolta 16 EE is the first camera to have a built-in Selenium light meter. It is a model that is at the top of Minolta's production of 16mm micro cameras. The shutter, of the guillotine Sector type, works from 1/30" to 1/400" and bulb. The shutter speed is directly related to the sensitivity of the film used: with a sensitivity of 25 Asa the time will be 1/30"; with sensitivity 50 Asa the time will be 1/60"; with sensitivity 100 Asa it will be 1/125"; with a sensitivity of 200 Asa the shutter speed will be 1/250" and with 400 Asa film the shutter speed will be 1/400". There is also "X" synchronization for the use of electronic flash with 25 and 50 Asa films. The built-in Selenium cell covers a shooting angle of 60° on the horizontal and 57° on the vertical and is coupled to the diaphragms from EV 10 (f.2.8) to EV 14 (f.11) at 1/125" for 100 Asa films. The knurled wheel on the back of the camera is used to set the "Auto" mode with working apertures from 2.8 to 16 and the "Flash" mode with working apertures at

f.11. The accurate focus can be set over two distances: 2.10mt. (7 feet) and 4.80mt. (16 feet).

The upper side of the Minolta 16 EE is occupied by the circular Asa / Din sensitivity selector (25/15 - 27/400) which also shows the position for using the flash with 25 or 50 Asa films; this selector is located on the left and placed on a circular overhang in gray plastic. Continuing to the right we find the upper part of the small attachment pin of the filter frames and again the chrome shutter button contained in a chrome frame. The shutter button carries inside the thread for the use of the flexible release (Cable Release). In the rearmost position we find the window of the frame counter with automatic reset which shows the number of frames still available. For reasons of space, 3 dots are shown between the figures divided by 5 by 5 (S..20... 15... 10... 5... 1... E). On the rear edge, which is rounded, there are the two knurled wheels for adjusting the "Auto" and "Flash" settings on the left and, on the right, the thicker and blacker one that serves to advance the film and the simultaneous arming of the 'shutter. The words "Minolta 16" are engraved between the shutter button and the film wheel, while the specific "EE" does not appear anywhere on the camera, which instead completes the name of the camera in the instruction manual. On the front side we find on the right the large window of the Selenium cell of the exposure meter. A chrome frame that runs from the cell window to the left side of the camera contains the lens window where the black guillotine shutter can be seen. When the shutter is loaded, it has a blue dot in the center. In the upper part the chromed pin goes down for fixing additional filters and lenses. At the left end there is the viewfinder window. The left side of the camera is smooth; the right side is instead occupied by the rectangular metal ring for attaching the wrist strap for carrying the camera, the socket for the flash cable and the serial number engraved very close to the lower edge. The back side starts with the bevel on the top edge; on the left side is the viewfinder window. The light frame appears in the viewfinder with the references for parallax correction in close-up shots and a green light that lights up in the upper right corner to indicate that the exposure is correct. The remaining 4/5 of the back side are occupied by a silk-screened metal plate with the words: "Minolta - 16 E.E 10 x 14" on the top line; "Lens Rokkor 28/2.8" and "Chiyoda Kogaku" are instead arranged on two lines in the lower part of the plate. On the side of the caseback we find on the left the thread for using the tripod, the film compartment door with the knurled wheel in the center to control its opening and the words "Open" and "Close" which refer to the red arrow silk-screened in the smooth part of the wheel. On the right side in the forward position we find the distance selector with the symbols of the house and trees (shot from a distance) and two people from the waist up (shot up close). The position for shooting from afar is suitable for subjects placed from infinity up to 4.8m., While the position for close-up shooting is used for subjects from 4.8m to 2.1m. For even closer shots, 2 additional lenses (Close-Up) are available: 1 for shots at 1.2mt. (4 feet), n.2 for shooting at 0.7mt. (2.3 feet).

Weight 235g.

Length 113.5. Width 54mm. Thickness 33mm.