

CODE NO. 3-30811-32  
 ITEM Canon AZ 814 Electronic w/lens  
 7.5-60mm f/1.4 and remote  
 switch 60 in case

# Canon AUTO ZOOM 814 ELECTRONIC

DISCONTINUED PRODUCT  
 Please retain  
 this section  
 for  
 reference  
 purposes.

## Unbeatable Performance and Value



### SPECIFICATIONS

- **Type:** 8mm movie camera with easy-loading system using Super 8 film cartridges
- **Picture Size:** 5.4x4.0mm
- **Lens:** 7.5-60mm f/1.4 with 8:1 zoom ratio; 19 elements in 13 groups; Spectra Coating; inner diameter 58mm, outer diameter 60mm
- **Viewfinder:** single-lens reflex type, combined with microprism-type rangefinder; meter information includes aperture scale, over/under exposure warning marks, film-end warning lamp; eyepiece adjustable from -3 to +2 diopters; eyecup included
- **EE Mechanism:** through-the-lens type Servo EE mechanism with CdS photocell controlling aperture; coupled to film speed and filming speed
- **Light Measuring Range:** from ASA 400, f/1.4 18fps (shutter angle "OPEN") to ASA 16, f/32, slow motion (shutter angle "4")
- **Film Speed:** automatically set by inserting film cartridge  
 artificial light type: ASA 25, 40, 64, 100, 160, 250, 400  
 daylight type: ASA 16, 25, 40, 64, 100, 160, 250
- **CCA Filter:** Color Conversion A (CCA) filter built-in for using artificial light type film in daylight; cancelled by inserting CCA Filter Cancellation Adapter or lighting unit into CCA Filter Cancellation Adapter Socket; automatically removed by inserting daylight-type film cartridge
- **Filming Speed:** 18fps, 24fps, single-frame and instant slow-motion (about 40fps)
- **Variable Shutter Control:** 0°-150° continuously; fades are possible with this mechanism
- **Manual Aperture Control:** possible with EE/manual aperture control ring
- **Power System:** automatic filming and zooming by precise micromotors
- **Power Source:** four 1.5V penlight (AA) batteries, contained in handgrip; powers filming system, zooming system and exposure meter
- **Automatic Zooming Speed:** approx. 7-8 sec. (entire range)
- **Manual Zooming:** using zooming ring; angle of rotation about 120°
- **Running Ability:** approx. 10 cartridges at normal temperature with fresh batteries; single-frame in normal temperatures with fresh batteries, approx. 1 cartridge.
- **Footage Counter:** counts exposed footage up to 50 ft., automatically resets by removing the cartridge
- **Frame Counter:** 72 frames in one rotation (1 ft.) with 2 frames per scale; with adjustable indication mark
- **Battery Check:** check button and check window
- **Handgrip:** folding type, containing battery chamber
- **Sockets:** for remote control, and for electronic flash synchronized to single-frame shooting
- **Remote Control:** possible with Remote Switch 60 or Remote Switch 3
- **Switch Dial:** safety switch, with running lock
- **Film-End Caution:** Orange warning lamp lights up in the viewfinder 2.5 ft. before film end.
- **Safety Devices:** EE warning marks, shutter lock, film transport indicator
- **Macro-Shooting System:** by setting with the macro-set lever: with focusing distance at infinity, it is possible to shoot as close as 16.5 cm from the film plane indicator with a subject field of 33x45mm
- **Size:** 224x118x70mm (8<sup>13</sup>/<sub>16</sub>"x4<sup>5</sup>/<sub>8</sub>"x2<sup>3</sup>/<sub>4</sub>"')
- **Weight:** 1,550 g (3 lb. 6<sup>11</sup>/<sub>16</sub> oz.) with batteries

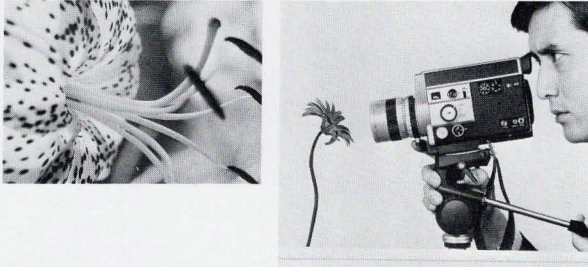


# SELLING POINTS



## FAST f/1.4 CANON ZOOM LENS WITH 8:1 ZOOM RATIO

- This remarkable lens not only has a zoom ratio of 8:1 (7.5-60mm) but the unusually fast maximum aperture of f/1.4 to go with it. This permits the user an exceptionally wide flexibility in his filming, even in low light.
- The optical quality of this lens is also quite exceptional. Due to Canon's long experience in the field of high-speed zoom lens design, it is critically sharp and contrasty.
- For smoothness in zooming, the 814 has a motorized zoom which operates at speeds of between 7 and 8 seconds. Manual zooming is also easy, for special effects.



## BUILT-IN MACRO MECHANISM PERMITS ACCESSORY-FREE CLOSE-UPS

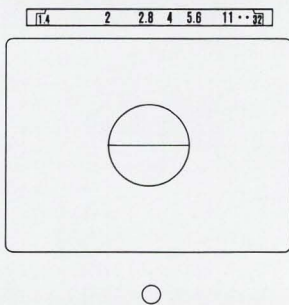
- By simply turning the zooming ring, the user can get as close as 16.5cm (6 1/2") from the film plane, with a subject field of 33x45mm with no additional accessories. This saves the user money, as well as sparing him the trouble of carrying additional macro equipment.
- By combining the macro shooting mechanism and normal shooting functions the user can obtain some truly dramatic effects in his films, from macro distances to infinity, continuously.



Fade-Out 
←
→
 Fade-In

## VARIABLE SHUTTER CONTROL

- Fade-ins and fade-outs are easy with the 814's variable shutter by simply moving it to the fully open or fully closed position. When fading is accomplished using the shutter mechanism, additional Neutral Density filters are not required.
- Variable shutter operation can also be used to help minimize image blur when shooting action, because it effectively increases the shutter "speed". Aperture exposure compensation must be made when using the variable shutter to increase sharpness.

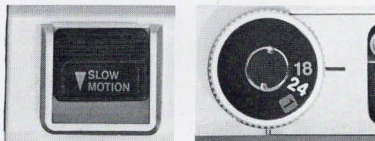


## PRECISE THROUGH-THE-LENS EXPOSURE AUTOMATION WITH SERVO EE

- The 814 provides through-the-lens viewing, focusing and automatic exposure control, via highly sensitive Servo EE metering mechanism. This automatically compensates for the slightest change in lighting, insuring perfect exposures for the photographer under any conditions.
- The Servo EE mechanism is noted for its ability to work stably even in cold weather and for its quick response under normal conditions.
- The aperture will operate down to a minimum stop of f/32, for even the brightest conditions.

## WIDE CHOICE OF FILMING SPEEDS

- The 814 can film at 18fps (standard speed), 24fps, slow motion about 40fps and single frame with synchronization for electronic flash). It also offers the unique option of instant slow motion, which can be used at any time, interspersed with the other speeds.

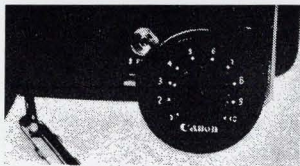


## UNMANNED EE SHOOTING CAPABILITY

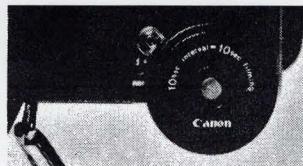
- Through the use of Canon accessories, the 814's range of shooting possibilities is greatly extended. Using the Interval Timer E or Self Timer E, the photographer can do scientific studies, or include himself in the action.

## OTHER FEATURES

- Drop-in cartridge film loading; easy to do even with gloves on.
- Single power source is used for all functions. Therefore, stabilized power is assured until actual battery failure. There is no gradual deterioration of power which may result in poor performance.
- Film-end warning signal allows the user time to plan each shot carefully, without ruining a shot due to running out of film in the middle of a scene.



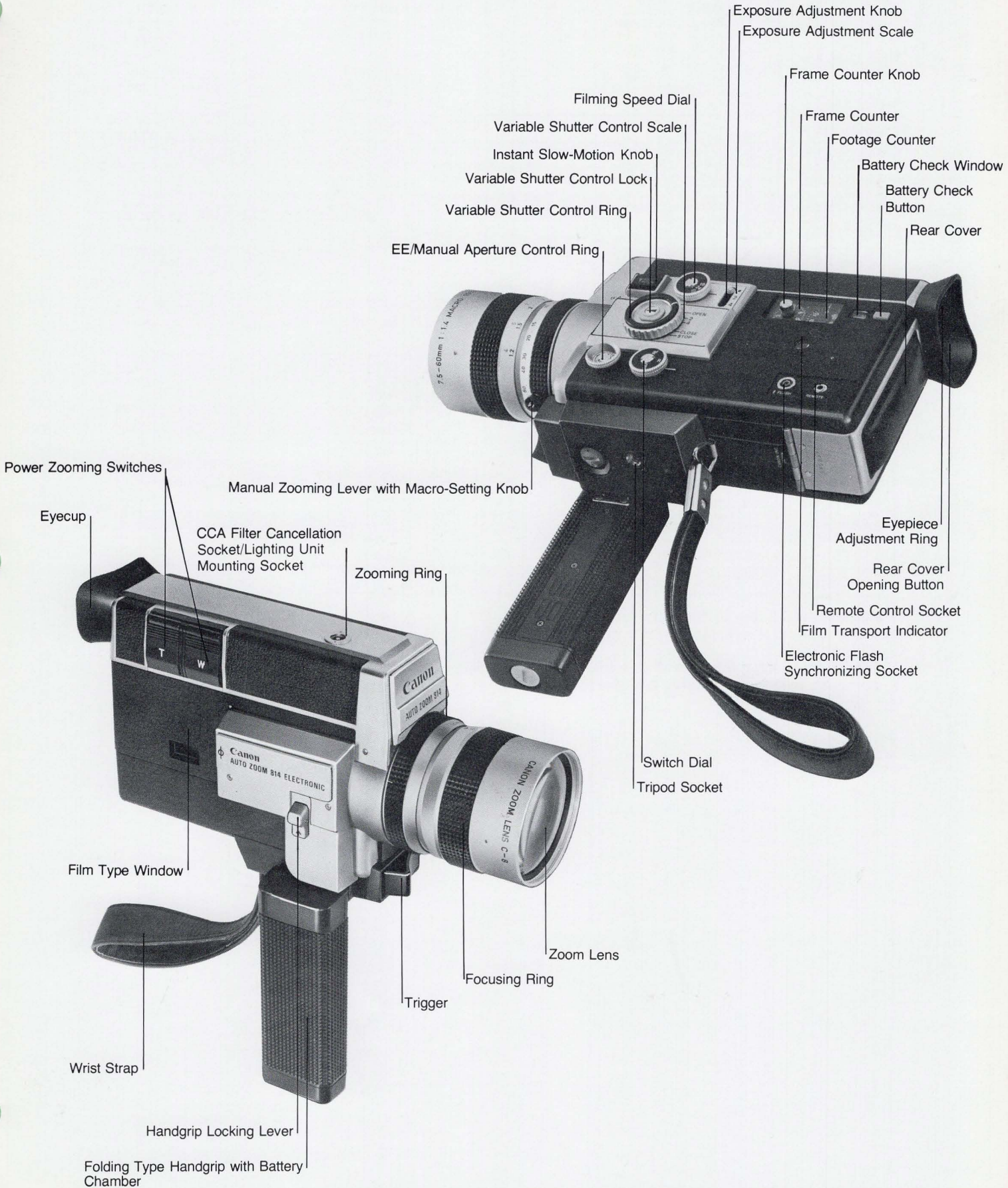
Canon Interval Timer E



Canon Self-Timer E



# NOMENCLATURE





# ACCESSORIES

CODE NO.	DESCRIPTION
5-43233-00	C-8 Close Up Lens 58mm 450
5-43242-00	C-8 Close Up Lens 58mm 240
5-39241-00	Self Timer E
5-39211-00	Interval Timer E
5-22041-01	Remote Switch 3
5-22051-00	Remote Switch 60
5-39111-00	Chest Pod
4-20601-20	Copystand 4
33-7553	Finder Cover 5
33-8621	Socket Cover for Filter Cancellation Adaptor for AZ814E
33-8804	Filter Cancellation Adaptor AZ814E
5-81071-00	Extension Cord E1000
4-60834-01	Carrying Case for AZ814 Electronic
4-46012-01	Lens Hood W-60 in Case
49-1002	Lens Cap 60mm (metal) for AZ814E
5-61151-00	Neck Strap 8 with pad
C41-5507-211	PS-1000 Cine Projector

**PLEASE NOTE: For further information on Canon Super-8 accessories, please refer to the last page in this section.**

**For information on filters available for Canon Super 8 cameras, please see section 2 of the Sales Guide.**