

# Canon SCOOPIC 16



**Film:** Uses 16mm single or double perforated film on standard 100 feet (30.5 meter) spool.

**Lens:** Canon zoom lens C-16E F1.6 with zooming range of 13-76mm. 18-element, 13-component construction. Zoom ratio, 1 5.85. Zooming by rotation of lens barrel. Shooting distance, 1.5m (5ft.) to infinity. Inner diameter 72mm. Outer diameter 75mm.

**Viewfinder:** Single-lens reflex type with micropism screen rangefinder and eyepiece adjustment ring. Contains aperture scale, over/under exposure warning marks and manual aperture control mark. Eyecup rotates.

**Electric Eye Mechanism:** Automatic aperture mechanism fully coupled to highly sensitive built-in CdS photocell.

**Light Measuring Range:** Film speed ASA 10-320 (DIN 11-26). Coupled to entire range of between f/1.6 at 16 fps. and f/22 at 48 fps.

**Film Speed Indexes:**

ASA	10	(12)	(16)	20	(25)	(32)	40	(50)	(64)
	80	(100)	(125)	160	(200)	(250)	320		
DIN	11	(12)	(13)	14	(15)	(16)	17	(18)	(19)
	20	(21)	(22)	23	(24)	(25)	26		

**Filming Speed:** 16 fps (1/43 sec.), 24 fps (1/64 sec.), 32 fps (1/86 sec.), 48 fps (1/128 sec.). Shutter opening angle, 135°

**Manually Control of Aperture:** Manual aperture setting possible at any f/stop.

**Power System:** Electric motor system. Built-in micromotor is powered by a 12V NiCd battery.

**Film Loading:** Semiautomatic. Just insert the tip of the film into the film feeding guide.

**Footage Counter:** Counts up to 100 feet. Needle automatically returns to "S" mark when side cover is opened.

**Power Source:** 12V NiCd battery. Rechargeable. 12V x 2 parallel circuit for external power source.

**Accessories:** Lens Hoods, Battery Charger External Battery Box, Close-Up Lenses, compensating filter for the CdS photocell window. Various types of filters are available.

**Size:** 280 x 147 x 222mm (11" x 5 $\frac{3}{4}$ " x 8 $\frac{3}{4}$ " )

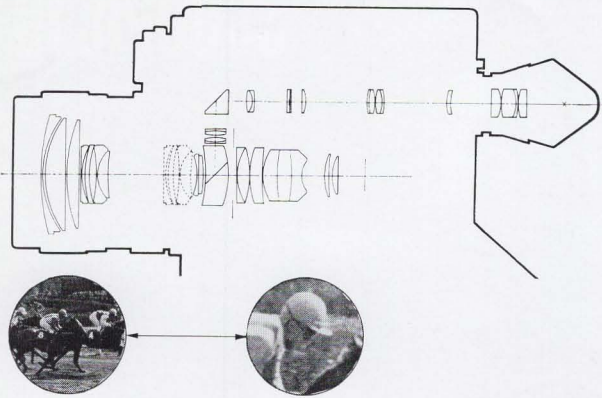
**Weight:** 3.1 kg (6 lbs. 13 $\frac{3}{8}$  oz.)



## SALES FEATURES

### 1 16mm movie camera with zoom lens

The Scoopic 16 is one of the first 16mm movie cameras to be equipped with a zoom lens. Its precision made, fast F1.6 lens gives a 5.8X zoom ratio extending from 13mm to 76mm and provides high resolving power and high contrast. True color reproduction is possible because of perfect color balance.



### 2 Automatic and precision exposure control

Fully automatic exposure control is one of the main features. A sensitive CdS photocell and Electric Eye circuit are coupled to the automatic aperture mechanism. This efficient system assures perfect exposure at all times. Aperture can also be manually controlled.



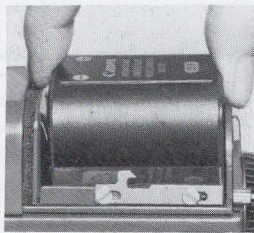
### 3 Bright viewfinder with microprism screen rangefinder

The Scoopic 16 viewfinder is a single-lens reflex type that is easy-to-look through and provides a bright and clear image. The microprism screen rangefinder assures accurate focusing. Necessary filming information can be read in the viewfinder—aperture scale, over/under exposure warning marks and a manual aperture control mark, "M" are clearly visible. A rubber eye cup eliminates bothersome random light. The viewfinder can be adjusted to suit individual eyesight with a range from -4 to +4 diopters.



### 4 NiCd battery power film drive

An electric micro-motor powered by a 12V NiCd battery drives the film advance. The battery is rechargeable and interchangeable. One fully charged battery provides sufficient power for continuous filming through 8 reels of film. An External Battery Box is available and is recommended for bad weather filming.



### 5 Four filming speeds

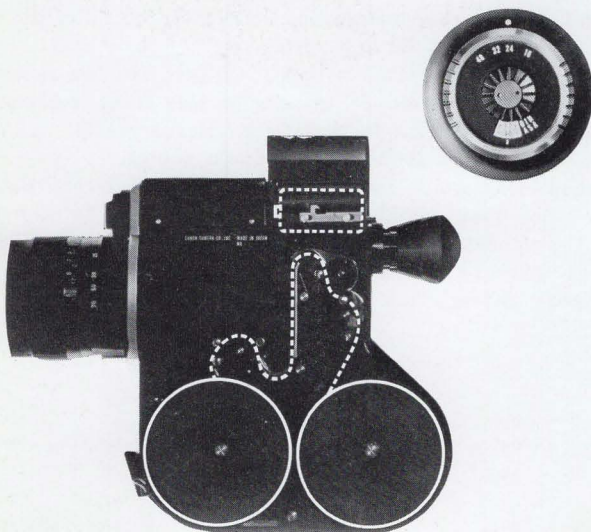
The Scoopic 16 is equipped with four filming speeds 16, 24, 32 and 48 fps. 24 fps is the standard filming speed. 32 and 48 fps are used for slow motion photography.

### 6 Easy, semi-automatic film loading

Film is loaded semi-automatically. The film leader is put into the insertion guide. Then the shutter button is pressed. Film automatically advances through the first sprocket, film guide and aperture section and then through the second sprocket. Film then comes out near the take-up reel.

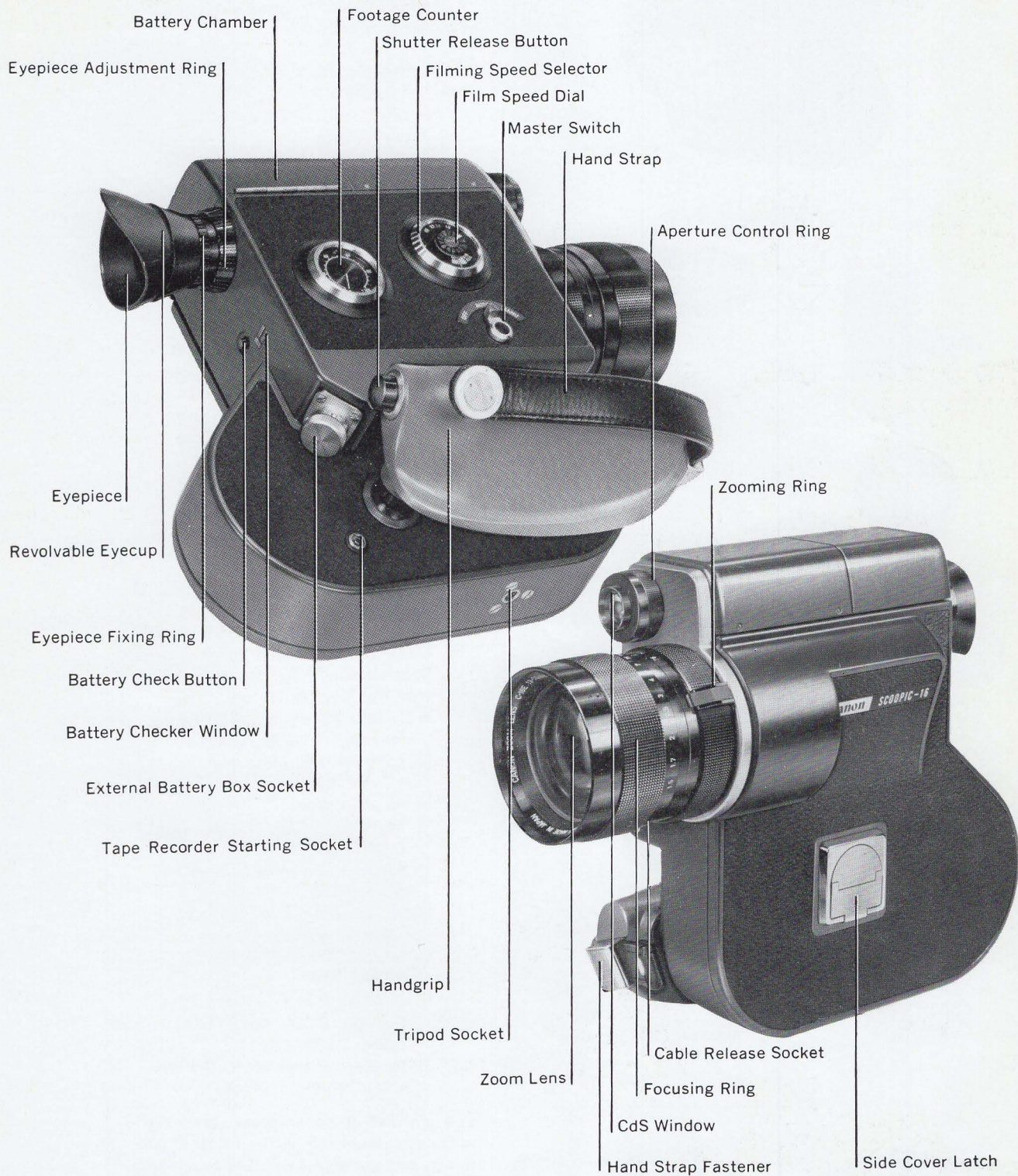
### 7 Sturdy construction

Professional photographers and explorers have praised the Scoopic 16's sturdy construction. The Japanese Antarctic Team made a film record of its work in even the severest weather. The Himalayan Mountaineering team used the Scoopic 16 on its historic climb. This ruggedly built camera has been equally reliable in tropic climates at the equator. The unique hand grip allows one hand operation. The troubles-free Scoopic 16 is definitely the choice of both professionals and advanced amateurs.





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## ACCESSORIES

### External Battery Box

The optional External Battery Box is composed of two 12V NiCd batteries in parallel. By using the Battery Box, 16 reels or double the number of reels can be shot at normal temperatures than when using the single battery loaded in this camera.

### Lens Hoods

Two types of lens hoods are available, one for use with screw-in type filters and one for Series No. IX filters. Lens hoods should always be used to protect against random light.



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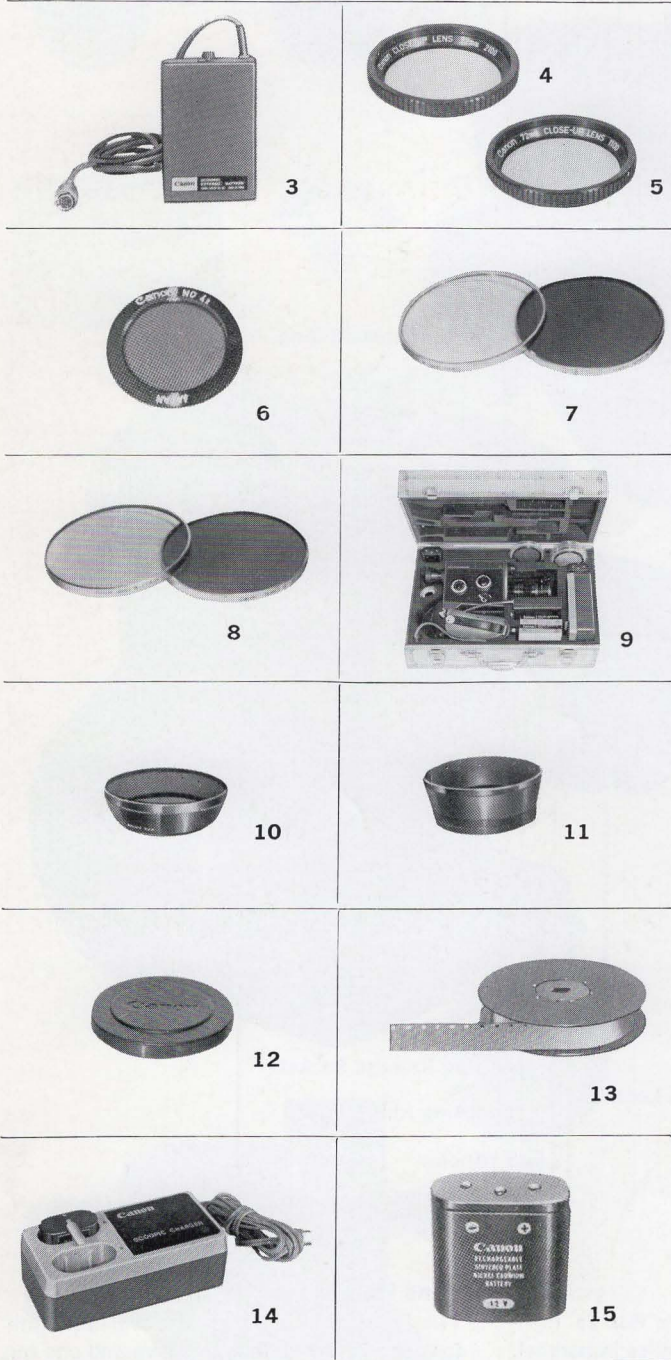
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1. Canon Scoopic 16 w/Lens C-16E 13-76mm F1.6 & Hood 72 Complete Set consisting of

- 1) Scoopic 16 w/Lens C-16E 13-76mm F1.6
- 2) Lens Hood 72mm
- 3) Lens Cap
- 4) Take-Up Spool
- 5) Battery Charger S
- 6) NiCd Battery (12V)
- 7) Carrying Case

2. Canon Scoopic 16 w/Lens C-16E 13-76mm F1.6 & Hood 86 Complete Set consisting of

- 1) Scoopic 16 w/Lens C-16E 13-76mm F1.6
- 2) Lens Hood 86mm w/Filter Holder for Filter Series No.IX
- 3) Lens Cap
- 4) Take-Up Spool
- 5) Battery Charger S
- 6) NiCd Battery (12V)
- 7) Carrying Case



## ACCESSORIES

3. \*\*External Battery Box w/2 pcs. of NiCd Battery
4. Close-Up Lens 72mm 1100 in case
5. Close-Up Lens 72mm 2100 in case
6. Compensating Filter ND-4 in plastic case (for Scoopic Meter)
7. Filter (BS) 72mm in plastic case (for Scoopic w/Hood 72mm)
  - a) for black and white film Y1 Y3, R1 UV
  - b) for color film Skylight, CCA4, CCA8, CCA12, CCB4, CCB8, CCB12
  - c) for black and white or color film ND-4, ND-8
8. Filter Series No.IX in plastic case (for Scoopic w/Hood 86mm)
  - a) for black and white film Y3, R1 UV
  - b) for color film Skylight, CCA4, CCA8, CCA12, CCB4, CCB8, CCB12
  - c) for black and white or color film ND-4, ND-8

The following accessories are automatically supplied with related products, but are also available as spares:

9. Carrying Case for Scoopic 16
10. Lens Hood 72mm (for Filter 72mm)
11. Lens Hood 86mm w/Filter Holder (for Filter Series No.IX)
12. Lens Cap 75mm (Metal)
13. \*\*Take-Up Spool for Scoopic 16
14. \*\*Battery Charger S
15. \*\*NiCd Battery (12V)
16. External Battery Box

Note \*\*Marked accessories are the same as those of the Canon Zoom DS-8.