

Canon SOUND SCOOPIC 200SE

English Edition



SOUND SCOOPIC 200SE

FEATURES

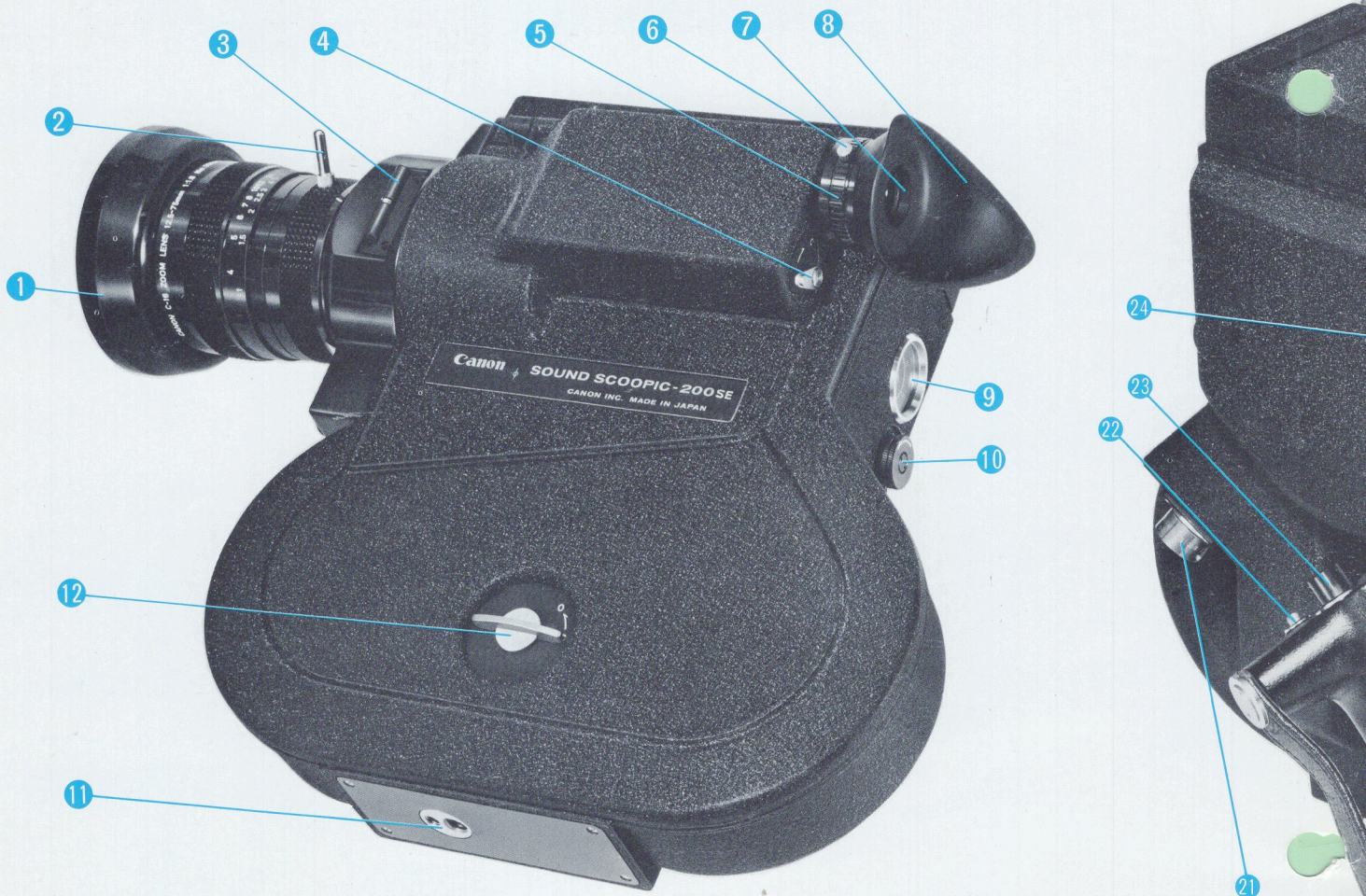
THE CANON SOUND SCOOPIC 200SE and 200S are modified versions of the SOUND SCOOPIC 200. Specifically designed for television news photographers, these cameras offer simultaneous sound recording, fully automatic or manual metering, fully automatic or manual sound gain control and a fast 12.5–75mm F1.8 zoom lens. The main difference between the SOUND SCOOPIC 200SE and the 200S is the TV frameline incorporated in the SE's viewfinder.

TTL Exposure Metering System

A highly sensitive CdS cell coupled to an electronic servo circuit reacts instantly to any change in reflected light levels through the lens. The CdS cell position provides automatic meter compensation when filters are used. Manual override control is conveniently located beneath the lens.

Canon 12.5–75mm F1.8 Zoom Lens

A fast 6:1 zoom lens featuring outstanding color balance, contrast and resolution. Built to the exacting mechanical and optical standards for which Canon has become famous and which you have come to expect in a Canon lens.



Extra-Bright Mirror Reflex Viewfinder, Exceptional Film Drive Stability

100% of the light coming through the lens reaches the viewfinder and the film plane through Canon's use of the mirror shutter reflex principle. Couple this to the precise film stability provided by the registration pin incorporated in the film transport mechanism and you get the sharpest and clearest images available to the TV news industry today. The viewfinder is your total control center and indicates full filming area, safe TV coverage area, exact T stop scale, over and under exposure warning marks and manual exposure control override reminder. The eyepiece is of the variable diopter type which can be adjusted to suit the individual needs of the cameraman.

Accurate Filming Speed

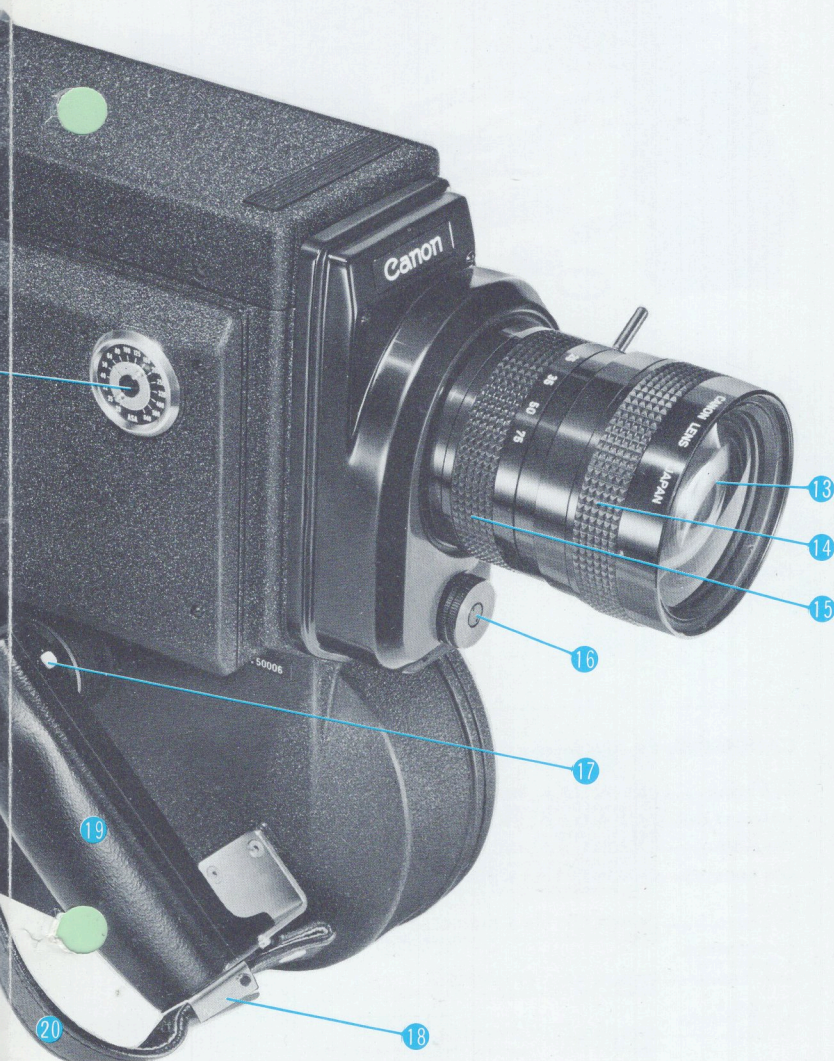
Absolutely precise 24 fps filming speed assured by Canon's electronic speed servo governor and constant speed fly-wheel movement.

AC Bias Magnetic Recording System

Featuring fully automatic or manual gain control and automatic cutover to sound-track monitoring when run button is depressed, this system will accurately and faithfully reproduce the sound on your film exactly at it occurred.

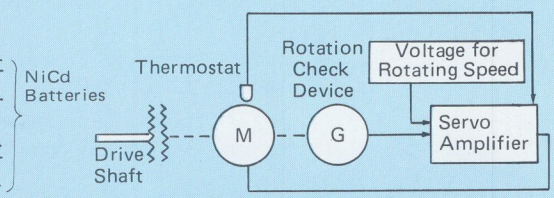
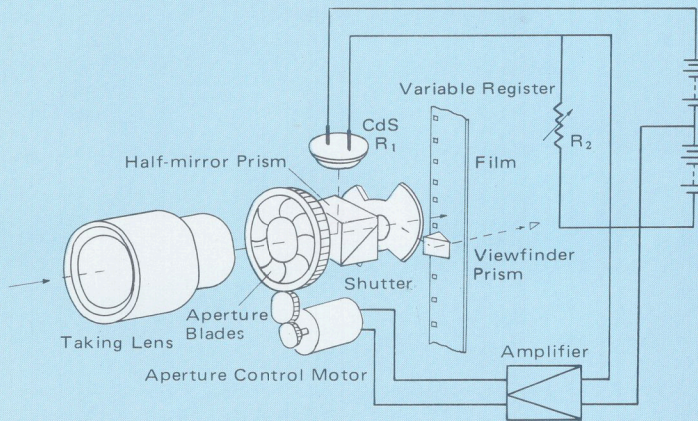
Power Supply

Conveniently stored in the amplifier housing, the high-performance Canon 24 V NiCd battery will power the amplifier, film drive and auto exposure system through a minimum of 15 200 ft. rolls of film and completely recharge in under 5 hours. The battery charger features an indicator lamp that turns off at the completion of required charging and a voltage selector switch which allows the use of your Sound Scoopic camera anywhere in the world.

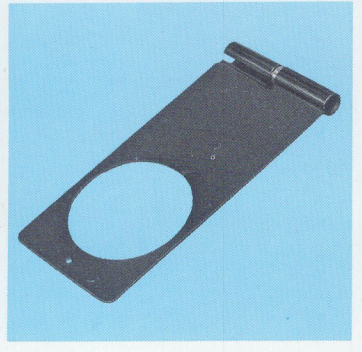
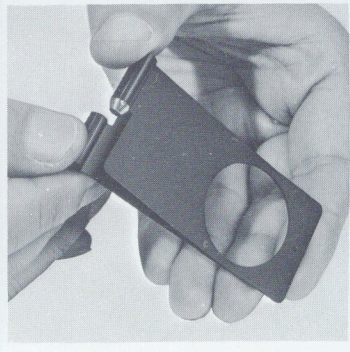
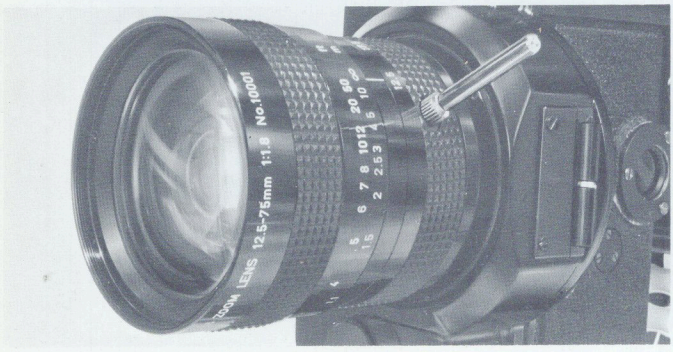
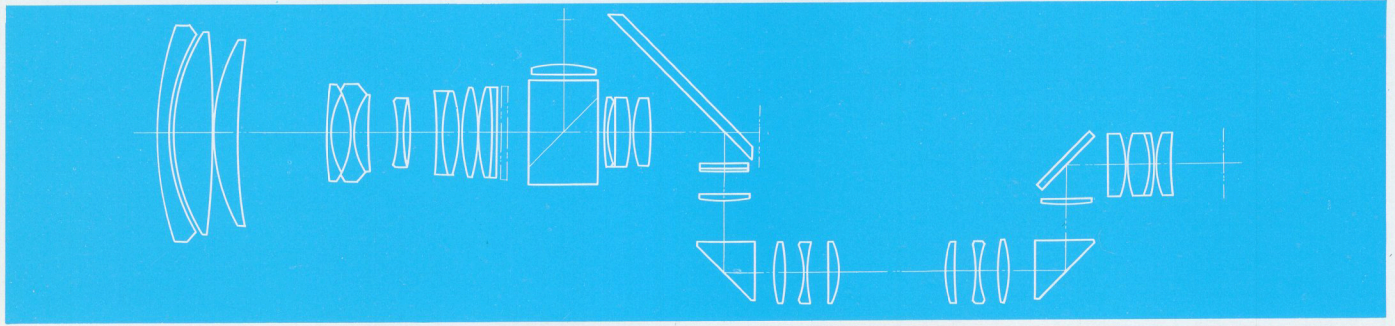
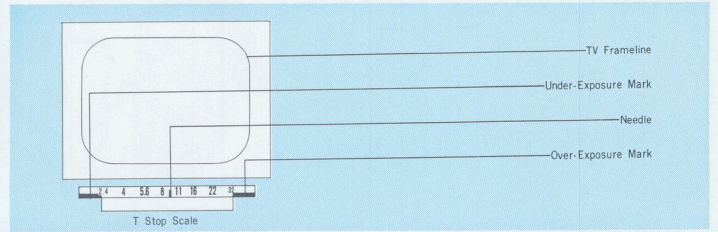
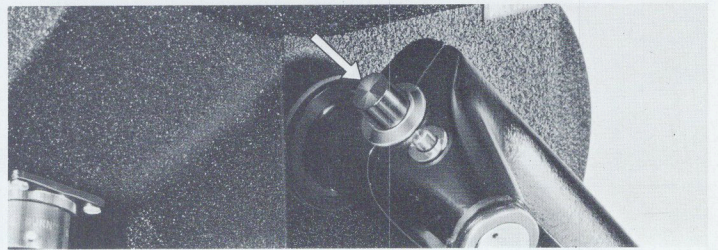
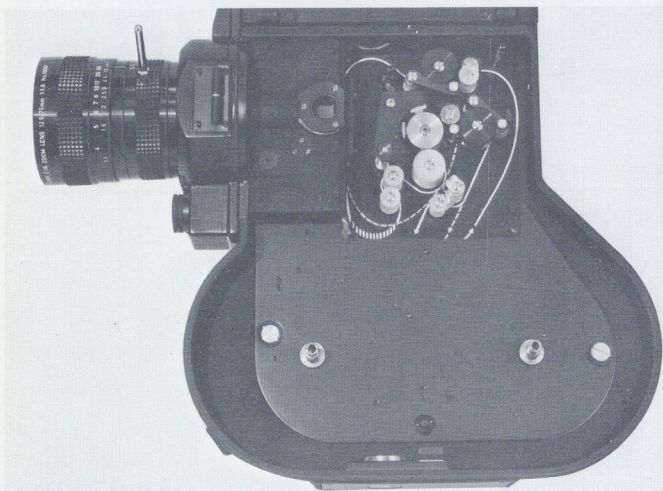


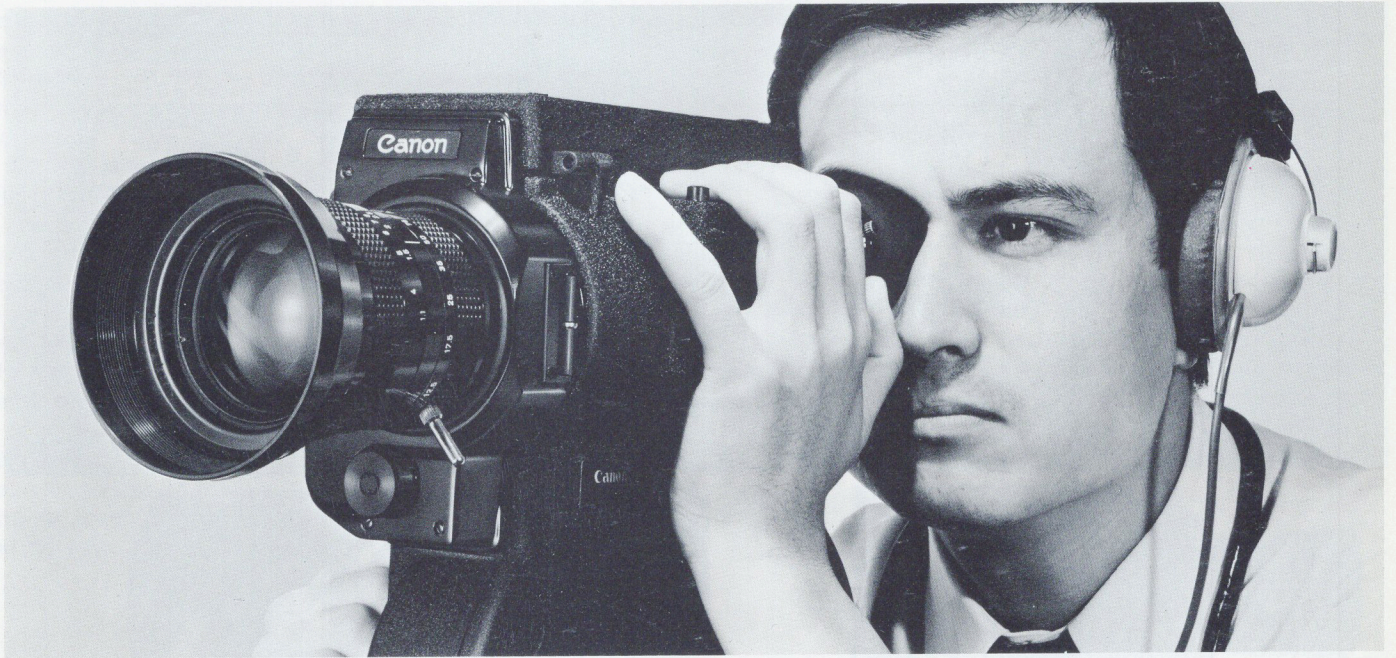
Nomenclature

1. Lens Hood
2. Zoom Lever
3. Insertion Filter Holder
4. Eyepiece Shutter
5. Eyepiece Adjustment Ring
6. Eyepiece Fixing Screw
7. Eyepiece
8. Eyecup
9. Footage Counter
10. Film Transport Knob for Manual Operation
11. Tripod Socket
12. Side Cover Latch
13. Zoom Lens
14. Focus Ring
15. Zoom Ring
16. Manual Aperture Control Ring
17. Aperture Opening Button
18. Handstrap Stopper
19. Hand Grip
20. Handstrap
21. Amplifier Connection Socket
22. Mirror Inching Button
23. Shutter Release Button
24. Film Speed Dial

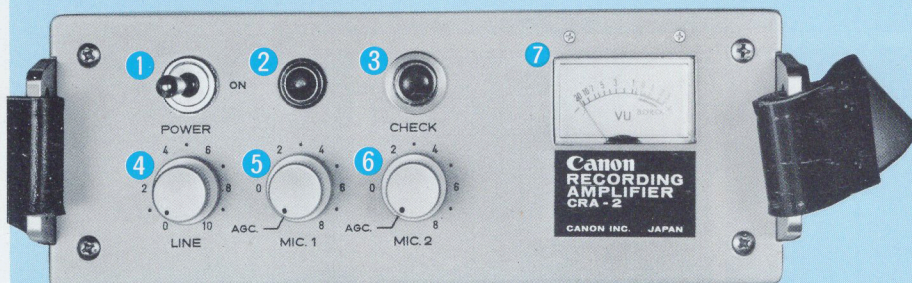


Tacho-generator (G), connected to Driving Motor (M), would generate due voltage proportional to the rotating speed. Canon Speed-Servo system is such that the motor is given a proper voltage amplified by Servo Amplifier, which makes naught the difference between the tacho-generator's voltage and the output from the rated voltage circuit that generates a standard voltage corresponding to the standard rotating speed. Furthermore, thermostat attached to the motor controls the amplified input in order to minimize influence by temperature change and maximize resistance to it.





Recording Amplifier CRA-2



1. Power Switch
2. Pilot Lamp
3. Battery Check Button
4. Line Input
5. Recording Level Adjusting Knob (Mic. 1)
6. Recording Level Adjusting Knob (Mic. 2)
7. Recording Level Meter

Specifications

Camera

Type: Fully integrated, simultaneous sound-recording, electric eye movie camera with a built-in zoom lens.

Film: Perforated (on one side) 16mm film with magnetic coating; 61m (200 ft) long.

Range of Focal Length: 12.5–75mm.

Zoom Ratio: 6:1

Min. Object Distance: 1.1m (or 3.6 ft.)

Front Thread: 72mm P0.75

Number of Lens Elements: 16 elements in 12 groups

Max. Relative Aperture: F1.8

Viewfinder: Single-lens reflex type with mirror shutter and ground glass over entire mat. T stop scale, over and under exposure warning marks and manual exposure control mark built-in. Capable of eye-sight adjustment. Button for full exposure position.

Exposure Meter: Through-the-lens type. Fully automatic electric eye exposure control system using highly sensitive CdS cell and servo mechanism.

Exposure Meter Working Range: From T2.4 to T32 using ASA 20-640 films.

Manual Exposure Control: Manual exposure control ring.

TV Frameline: TV frameline (not available in the 200S) is available for viewing for safe reproduction of the exposed film through the TV monitor.

Film Drive System: Accuracy and stability ensured by small-size DC motor having electronic speed control system.

Filming Speed: 24 fps.

Shutter Angle: 170° Exposure time of 1/50.8 sec. at 24 fps.

Zooming: Manual. Focal length scale of 12.5, 17.5, 25, 35, 50, 75.

Footage Counter: Indication at every 10 feet. Reset automatically to the starting position S when the side cover is opened.

Filter System: Gelatin filter is inserted in the optical path of lens.

Wow and Flutter: 0.25% (WRMS)

Recording Mechanism: AC bias magnetic recording system. Bias frequency, 61 KHz. Distance between shooting aperture and recording head, 28 frames. Recording head and monitor playback head can be removed as a unit.

Usable Temperature Range: -4°F ~ +122°F (-20°C ~ +50°C)

Size: 286x133x360mm (11¹/₄"x5¹/₄"x14³/₁₆"")

Weight: 12.5 lb. (5.7 kg)

Recording Amplifier

Recording Frequency: 200–8,000 Hz, 3 db

Recording S/N: 45 db

Recording Equalization: SMPTE

Recording Volume Control: Automatic Gain Control (AGC).

Manual control is also possible.

Microphone: Unidirectional

Monitor: Dynamic headphone

Battery: Sealed type NiCd battery. 24 V, 1.5 AH (5.5-hour rate)

Size: 86.5x59.5x183mm (3⁷/₁₆"x2⁵/₁₆"x7³/₁₆"")

Used for camera drive and amplifier power source in common. Built-in the amplifier case.

Size: 226x69x197mm (8⁷/₈"x2¹¹/₁₆"x7³/₄"")

Weight: 7.5 lb. (3.4 kg), including battery

Power from Fully Charged Battery: Adequate for filming 15 200-foot-long film rolls (at 68°F).



Battery Charger

Recharging System: Quick recharging.

Charging indicator lamp turns off at the completion of recharging.

Supply Voltages: 100, 115, 125, 150, 220 and 240 V. AC50/60 Hz input.

Recharging Time: Less than five hours.

Rechargeable Ambient Temperature: 50°F ~ 104°F (10°C ~ 40°C)

* Subject to alterations.

Canon

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