

KODAK  
SUPERMATIC  
200  
Sound Camera

# Super 8 Single-System Sound Existing Light

The KODAK SUPERMATIC 200 Sound Camera brings new versatility to super 8 motion picture photography. It provides high-quality, single-system sound recorded on prestriped super 8 film. The fast 9-21 mm  $f/1.2$  KODAK EKTAR Zoom Lens permits dramatic coverage of sports and news events, and enlarges the effects possible in industrial and educational filming. The camera features manual exposure for photographers who wish to set their own exposure, as well as automatic exposure control for convenience. It will accept 50-ft and 200-ft super 8 silent or sound film cartridges, which can be exposed at either 18 or 24 frames per second.



# KODAK SUPERMATIC 200 Sound Camera

**Lens:** KODAK EKTAR Zoom Lens, 9-21 mm f/1.2. Aperture: maximum f/1.2 to an effective f/45. Composition: 10 glass elements, Lumenized. Manual zoom control by rotating the knurled lens barrel ring or using the zoom lever. KODAK Type A Film filter (built-in). Will accept a Series VII, 1 7/8-in., slip-on-type filter adapter ring on the lens barrel. (See Exposure Control, ASA speeds sensed.) Focusing: Rotate lens barrel to desired footage setting. Calibrated in feet and meters.

**Viewfinder.** Optical, high-aperture, modified sportsfinder coupled with zoom lens, with corner marker reference to TV Safe Action Area. Focusing eyepiece. Rubber eyecup. End-of-film indicator: Pointer on right side of sportsfinder begins to appear when approximately 10 feet of film remain in 200-foot cartridge. No end-of-film signal for 50-ft cartridge.

**Exposure Control.** Manual as well as CdS, double-vane automatic type. ASA speeds sensed: Daylight 25 and 100 with built-in filter (for Type A films). Tungsten 40 and 160 without filter (for Type A films). For Type G film ASA 160 for both Daylight and Tungsten. Provision for filter insertion in front of viewfinder as with KODAK SUPERMATIC 24 Camera.

**Low-light signal:** With silent or sound cartridge in camera, signal will be an amber light at bottom left of viewfinder.

**Sound-Recording Indicator.** Appears as a red modulating light at bottom right of sportsfinder when the following conditions exist: 1. A sound cartridge is correctly inserted in camera. 2. A microphone is plugged into camera. 3. The 9-volt transistor battery is in good condition. 4. A sound signal is reaching camera amplifier. Type A Filter Setting: Manual. There is no movie light key slot on camera. Filter is automatically removed on insertion of Type G film cartridge only. Power source: Six AA-size alkaline batteries (also for motors). Filming speeds: 18 fps and 24 fps.

**Shutter.** Type: 230 degree. Control: Run-lock-continuous. Cable release socket: Standard cable release. Shutter speed: 1/28 sec at 18 fps, 1/37 sec at 24 fps.

**Sound.** Single-system, recorded on magnetic-stripped super 8 motion picture film. Recording amplifier built into camera. Separation (picture to sound): 18 frames. Voice recording: Acceptable voice and music recording with lip synchronization. Record level: Automatic—Automatic Gain Control. Microphone: Omnidirectional, microphone supplied with 12-foot cord and right-angle plug. Any microphone that will match amplifier input impedance of 200 to 600 ohms may be substituted. Microphone plug: Right-angle miniature (1/8-in.-diameter) plug. Microphone jack: Right rear side of camera handle. Normal microphone position: When microphone is plugged into jack, amplifier operates at designed level of pickup. Reduced microphone position: When microphone is plugged into reduced jack, pickup of amplifier is reduced by 10 db. This helps reduced recording of ambient noise such as wind, also camera mechanical noise in confined areas with highly sound reflective walls.

**Construction/Appearance.** Molded body. Black with bright metal accents. Dark brown, wood-grain finish. Molded, built-in hand grip. Wrist strap, with swivel, screws into tripod socket.

## Films and Cartridges.

| KODAK Films Available:  | Daylight ASA (with Type A Filter) | Tungsten ASA | 50-ft Silent | 50-ft Sound | 200-ft Silent | 200-ft Sound |
|-------------------------|-----------------------------------|--------------|--------------|-------------|---------------|--------------|
| KODACHROME 40 (Type A)  | 25                                | 40           | X            | X           | NA            | NA           |
| EKTACHROME 160 (Type A) | 100                               | 160          | X            | X           | NA            | NA           |
| TYPE G EKTACHROME       | 160*                              | 160          | X            | NA          | NA            | NA           |
| EKTACHROME 40 (Type A)  | 25                                | 40           | X            | NA          | NA            | NA           |
| PLUS-X Reversal         | 25<br>(50 No filter)              | 40           | X            | NA          | NA            | NA           |
| TRI-X Reversal          | 200                               | 160          | X            | NA          | NA            | NA           |
| EKTACHROME EF 7242      | 80†                               | 125          | X            | X           | X             | X            |
| EKTACHROME SM 7244      | 100                               | 160          | X            | X           | X             | X            |

\*Filter automatically removed by cartridge †With 85B filter

**Electrical Recommendations.** The AA-size alkaline batteries used in the 200 camera normally have sufficient power to expose eight 50-foot cartridges. The KODAK EKTASOUND Battery Pack (furnished with the camera) will provide an auxiliary source of power, particularly in cold-weather operation. However, for extended camera runs, especially with the 200-foot cartridge, we recommend that a Kodak Power-Charger Unit be used, which consists of a Kodak Rechargeable Power Pack and a Kodak Power Pack Charger.

The Rechargeable Power Pack contains six nickel-cadmium rechargeable cells capable of a minimum of 500 recharging cycles. Lengthens the life of the batteries used in the camera. When fully charged the Power Pack is capable of driving approximately 2500 ft. of film in a short time.

**Miscellaneous.** Amplifier: 9-volt alkaline transistor radio type battery. Motor battery check: AA-size battery check only. Amber light at bottom left of sportsfinder (same as low-light signal) indicates sufficient power for motor operation. 9-volt, amplifier battery check: Same as sound-recording indicator. External power jack: Accepts 9-volt EKTASOUND Camera Battery Pack. Tripod socket: On bottom at front of hand grip. Film supply indicator: Rear of camera, drum-type, calibrated to read 0 to 200 feet.

**Auxiliary Equipment.** KODAK EKTASOUND Movie-Making Case, D154C, holds all KODAK EKTASOUND Movie Cameras or the KODAK SUPERMATIC 200 Sound Camera, two 50-foot cartridges of film (sound or silent), and the microphone with attached cord. Case is designed as aid to sound motion picture filming. It has removable microphone holder and cord bobbin that allows shooting with microphone in case for added mobility, or with microphone placed close to subject. Microphone extension cord: KODAK Microphone Extension Cord, 15-foot, D162. Camera battery pack: KODAK EKTASOUND Camera Battery Pack, D164 (supplied with camera—batteries not included). KODAK Directional Microphone, D158, may be preferable for news interviews and in other noisy surroundings.