

Sankyo
SUPER **CM300**

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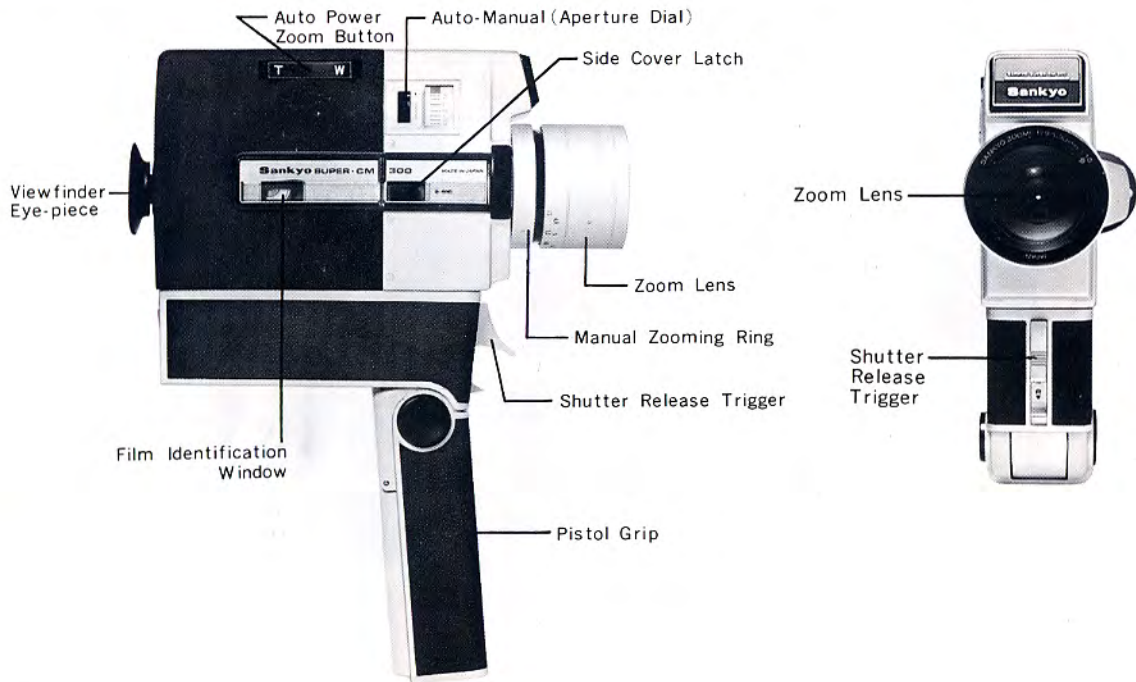
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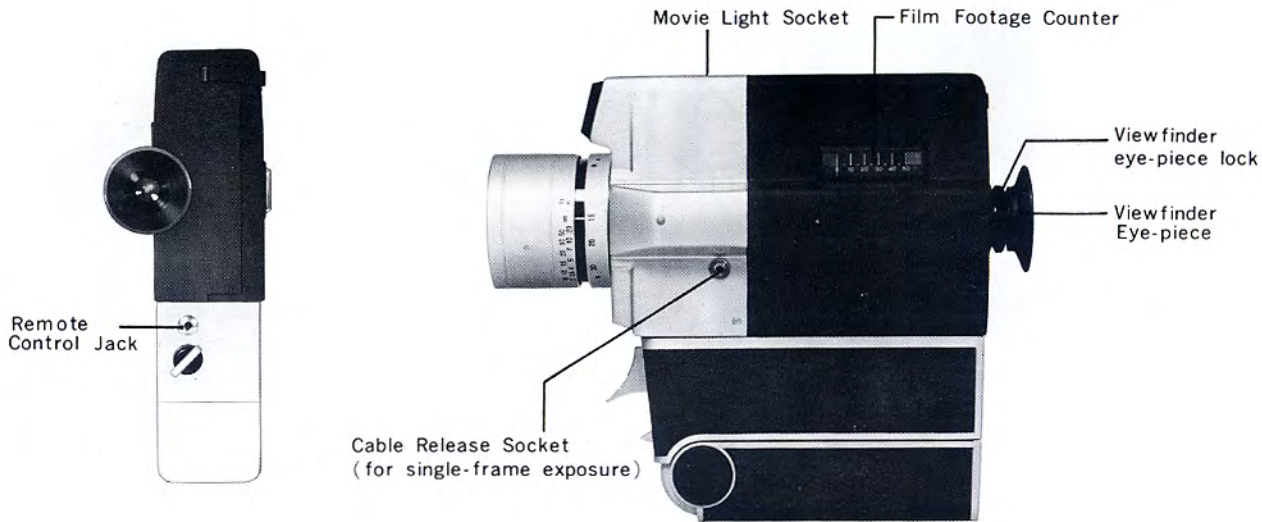
INSTRUCTION MANUAL

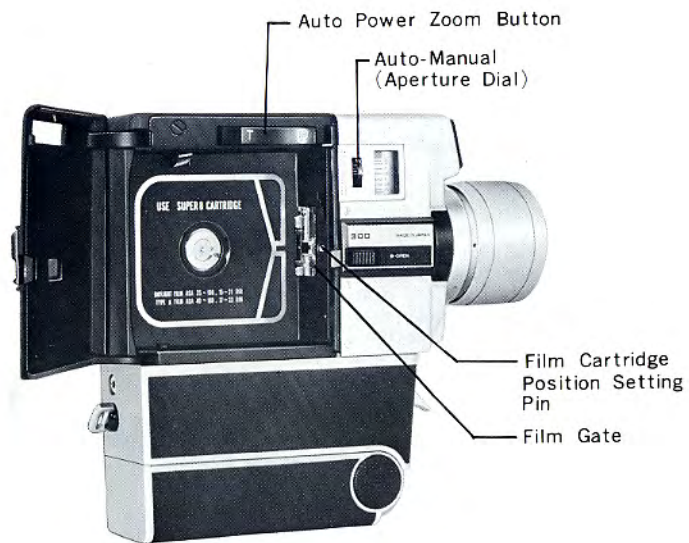
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NAMES OF THE CAMERA PARTS







SPECIFICATIONS

- LENS: (1) Sankyo F1/1.8 3.3X Zoom Lens $f=9\sim 30\text{mm}$
(2) Nearest Focusing Distance: 4.5ft(1.3m)
- ZOOMING: (1) Push Button Automatic Power Zoom
(3.7 seconds from extreme wide angle to extreme telephoto or vice versa)
(2) Provision For Manual Zooming
- VIEW FINDER: Large easy-to-see reflex viewfinder with the eye-piece adjustable from (+2) to (-2) diopters
- OPERATION: Film drive and exposure meter powered by 4 penlight Mallory MN-1500 or Eveready E91 alkaline batteries
- BATTERY CHECKER: Built-in
- FILM SPEED: 18 frames per second, and single frame exposure by means of a cable release
- SHUTTER OPENING: 150 degrees
- EXPOSURE: (1) Fully automatic electric-eye with CdS meter behind the lens (Through-the-lens)
(2) Aperture range: F1.8~F16
(3) Provision for manual control with aperture dial
(4) Under exposure warning signal in the viewfinder
(5) F-stop indication in the meter window
- FILM SENSITIVITY: ASA 25~100 Daylight Type
ASA 40~160 Type A (Tungsten Type)
- FILM: Super 8 film cartridge
- FILTER: A built-in Kodak type 85 filter automatically controlled by insertion of a film cartridge or manually through the movie light socket
- FOOTAGE COUNTER: Automatic resetting mechanical counter
- TRANSPORT INDICATOR: A green light flickers in the viewfinder
- FOLD-AWAY PISTOL GRIP: Built-in
- OTHER FEATURES: (1) Safety lock for the trigger
(2) Running lock for the trigger
(3) Remote control socket
(4) Tripod socket
- DIMENSIONS: 193×56×158mm (7.6×2.2×6.2 inch)
- WEIGHT: 1,150 grs.

INTRODUCTION

The Sankyo Super CM-300 is a feature packed Super 8 camera taking drop-in super 8 cartridges giving 50' of uninterrupted filming

- ▶ Through-the-lens automatic exposure control
- ▶ Large easy-to-see reflex viewing
- ▶ Film transport indicator in the viewfinder
- ▶ Power zooming through entire zoom range
- ▶ Fold-away pistol grip

BEFORE YOU START FILMING

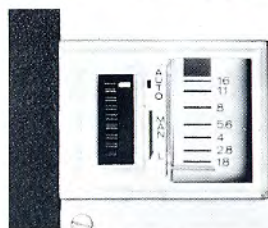
Carefully check the following items. Otherwise, your camera will not operate properly, and will poor quality films result.



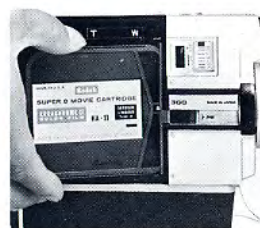
1. Four penlight Mallory MN-1500 or Eveready E91 alkaline batteries ...properly installed



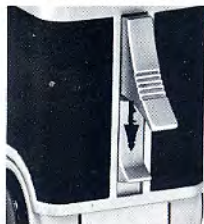
2. How do your batteries rate on the battery checker? Check this as explained later.



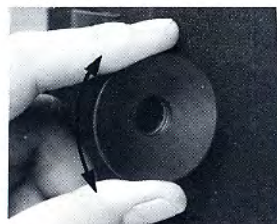
3. The aperture dial..... set to "AUTO"



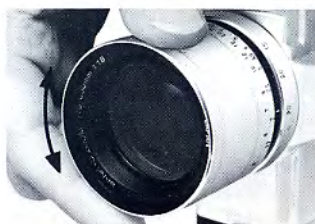
4. Film cartridge..... inserted



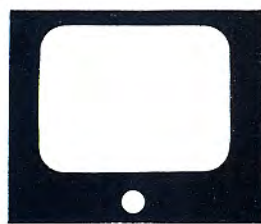
5. The trigger..... unlocked



6. The eye-piece..... corrected to your eyesight



7. The lens..... correctly focused



8. A green light in the viewfinder...will flicker when the trigger is released

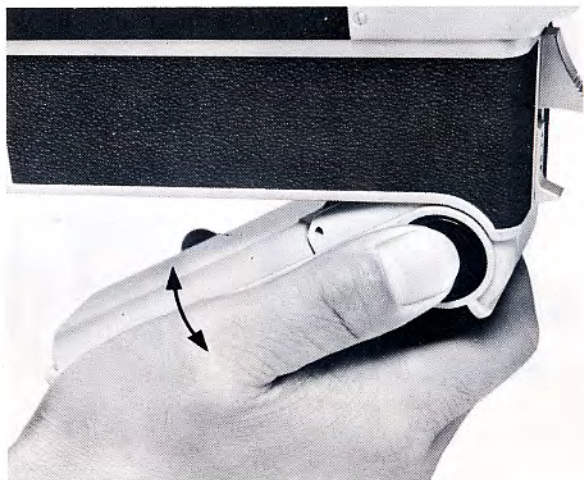
1

TIPS FOR BETTER FILM MAKING

- ▶ Hold the camera as steady as possible when taking movies and use a tripod whenever possible. A slight movement of the camera will be very obvious when your films are projected. Be sure that the camera on the tripod is not tilted in either direction, particularly when employing horizontal panning shots.
- ▶ Time your scenes to be five or six second shots at least. Shooting slightly longer than you think necessary will make editing easier.
- ▶ When panning, plan directions in advance. Move the camera slowly and smoothly to avoid unwanted effects such as jerking movements and blurring of the picture. About three seconds of still picture before and after panning or zooming will improve the smoothness of the projected pictures.
- ▶ Take pictures with the sun behind you whenever possible. If this rule is followed, the electric-eye can accurately read the scene, resulting in correctly exposed pictures.
- ▶ When taking pictures indoors with a movie light, be sure you have the type A filter removed by the insertion of either the filter plug or movie light screw in the socket.
- ▶ Try filming your movies in a story sequence instead of a series of unrelated scenes.

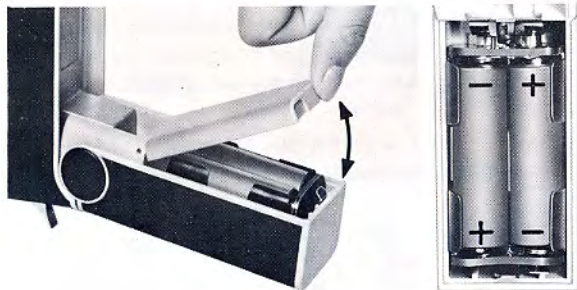
2 PISTOL GRIP

To extend the grip, swing it down to the grip position.
To fold back the grip, reverse this procedure.



3 LOADING DRIVE BATTERIES

With the pistol grip extended, remove the BATTERY CASE from the grip. Insert four penlight Mallory MN-1500 or Eveready E 91 alkaline batteries as indicated inside the case. Be sure that the polarity position of the batteries is correct according to the positive (+) and negative (-) diagram inside the case.



4 BATTERY LIFE BATTERY TEST

Life of the batteries

The service life of the batteries depends on the type. The average life of each battery type at normal temperatures is as follows:

Alkaline manganese dry battery (AM-3)	25 films
AA size dry battery (regular)	5 films
AA size dry battery (high power)	8 films

Battery test

Everytime before commencing filming the batteries should be checked for power supply by means of the battery check button which is located underneath the camera.

(To use the battery check button, the hand grip must be pulled out.) On the right side of the camera is the aperture indicator/battery checker window. This will tell you if your batteries are in good working order or not. If the pointer in this window rises above the figure F/5.6 (white dot), then the batteries are in good condition. If it fails to reach this figure, replace all of the four batteries simultaneously. If the aperture control dial is not set to AUTO or the batteries have no power or have been incorrectly placed in the battery case, then this pointer will not move.



NOTE:

- In extremely cold temperatures, the battery checker pointer may fail to rise above the figure F/5.6 even if a fresh set of batteries have been installed. If this happens, place the battery case (containing the batteries) inside your pocket to warm before starting to film.
- To prevent damage due to the leakage of chemicals, remove the batteries from the battery case when the camera is to be left unused for a great length of time.

5 FULLY AUTOMATIC EXPOSURE CONTROL WITH CdS METER BEHIND THE LENS (TTL)

Exposure control is fully automatic, covering an aperture range from f/1.8 to f/16. The automatic exposure control covers ASA film speeds 25-100 for Daylight and 40-160 for Tungsten.

6

APERTURE DIAL

(1) Automatic Control

Set the APERTURE DIAL to "AUTO" for automatic exposure filming. When set on AUTO, the camera lens opening will automatically increase and decrease, while you are filming, continuously adjusting for correct exposure in all front light conditions.

NOTE: In either of the following situations, filming is not recommended.

- When the red under exposure signal in the viewfinder does not disappear..... insufficient light (under exposed pictures)
- In case the needle in the meter window goes far up to stay in the red area..... too much light (over exposed pictures)

(2) Manual Control

Determine the desired F-stop, indicated by the needle in the METER WINDOW, by turning the aperture dial between "MAN" and "L" (Lock)

NOTE: If your principal subject is extremely dark and is against an extremely lighted background, or if your subject is strongly backlighted, use a manual setting.

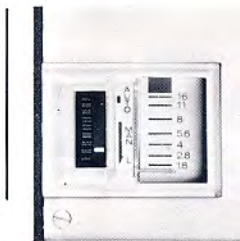
With the aperture dial set on AUTO, move your camera close to the subject so as to exclude the contrasting background scene in the viewfinder and note the F-stop. Then return to your shooting position and manually adjust the aperture to the desired setting as previously noted in the METER WINDOW. Then shoot the scene at this manual setting. The aperture control is also used on the manual setting for single frame exposures detailed on page 20.

Do not forget to reset the aperture dial to "AUTO" when manual exposure shots have been completed.



(3) Clamp

Set the aperture dial to "L"(Lock), during transportation by car or similar instance. The delicate electric-eye mechanism will be locked and protected against damage by sudden movement or vibration.



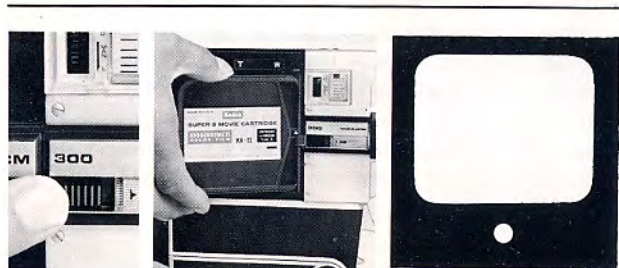
7 INSERTING THE FILM CARTRIDGE

Open the side cover of the camera by sliding the door latch. Insert the film cartridge. While inserting, push it to the right under the CARTRIDGE LOCATING PIN. When the cartridge clicks into place, close the cover and the camera is ready for shooting.

By this simple insertion procedure, several vital settings are automatically made in your camera.

(1) The film transport indicator

While film is running through the camera, a green light will flicker in the viewfinder. When film cartridge is defective or improperly inserted, the light will neither flicker nor appear at the starting of filming. In that occasion, replace the cartridge or correct its setting. When the end of the film is reached, this light will either disappear or stop flickering.



(2) The footage counter

The footage counter is automatically reset to 0 (zero) by removing cartridge and, during filming, will indicate how much film has so far been exposed. Stop filming when the counter reaches 50 and the green light in the viewfinder either disappears or stays on without flickering.

(3) The film speed

According to the type of film in your cartridge, the ASA speed will automatically be set as soon as you insert the cartridge and close the cover.

(4) Type "A" filter (TYPE 85)

Type "A" filter is built into the camera and will automatically assume its position or be removed according to the type of film cartridge inserted. Type A film cartridge has notches which will permit the filter to stay in position. With the filter in place, you can enjoy shooting outdoors with Type A film and therefore, Type A film can be recommended for both indoor and outdoor shooting.



NOTE: Movie light socket

When you are filming indoors, by using a movie light which can be mounted on top of the camera, fasten the movie light on to the socket on top of the camera body. The filter is automatically removed. If the movie light can not be mounted on top of the camera or when you are filming in artificial light which is bright enough not to use a movie light, insert the filter plug into the socket.



8

FOCUSING THE LENS

1. Focusing viewfinder

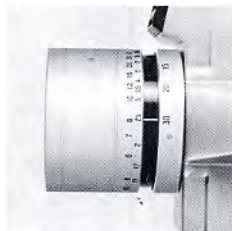
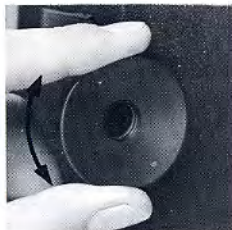
It is essential that the viewfinder system is matched up to the user's eyesight with the following procedure:

- (a) Set the zoom lens (focal length) at maximum telephoto 30mm
- (b) Set lens distance (focus) at infinity.

While looking through the viewfinder, rotate the adjustable rear eyepiece until both the viewfinder mask and the subject of 600ft. (200m) for apart or more becomes sharp simultaneously. Once this adjustment has been made, it should remain unchanged for any future filming.

2. Focusing the lens

Firstly, estimate the camera-to-subject distance and set the distance ring of lens to the estimated distance figure. This procedure can be used for longer distance shots at the medium to wide angle settings of the zoom lens. For close-up shots, or when filming at telephoto, accurate measurement by the scale is recommended.



9

DEPTH OF FIELD FOCUS TABLE

The following table shows the extent of the distance in focus (depth of field) with your CM-300 lens at several focal lengths. As is self-explanatory, special attention must be paid to the depth of field when filming a camera subject with the focal length setting at 30 mm.

f = 9 mm													
Distance \ Aperture	∞	20	10	7	5	4	3.5	3	2.5	2	1.7	1.5	1.3 m
	∞	50	30	20	15	12	10	8	7	6	5	4.5	Feet
1.8	3.09~ ∞	2.68~ ∞	2.36~ ∞	2.14~ ∞	1.91~ ∞	1.74~ ∞	1.64~ ∞	1.52~105.73	1.38~13.14	1.21~ 5.68	1.10~ 3.78	1.01~ 2.92	0.92~ 2.25
	10.13~ ∞	8.42~ ∞	7.57~ ∞	6.72~ ∞	6.05~ ∞	5.49~ ∞	5.03~ ∞	4.47~38.05	4.14~22.69	3.77~14.72	3.35~ 9.87	3.12~ 8.10	
2.8	1.99~ ∞	1.81~ ∞	1.66~ ∞	1.55~ ∞	1.42~ ∞	1.33~ ∞	1.27~ ∞	1.20~ ∞	1.11~ ∞	1.00~ ∞	0.92~11.84	0.85~ 6.14	0.79~ 3.77
	6.51~ ∞	5.76~ ∞	5.36~ ∞	4.91~ ∞	4.54~ ∞	4.22~ ∞	3.94~ ∞	3.59~ ∞	3.37~ ∞	3.12~ ∞	2.82~21.53	2.66~14.56	
4	1.39~ ∞	1.30~ ∞	1.22~ ∞	1.16~ ∞	1.09~ ∞	1.03~ ∞	1.00~ ∞	0.95~ ∞	0.89~ ∞	0.82~ ∞	0.77~ ∞	0.72~ ∞	0.67~20.20
	4.56~ ∞	4.18~ ∞	3.96~ ∞	3.71~ ∞	3.50~ ∞	3.30~ ∞	3.13~ ∞	2.90~ ∞	2.76~ ∞	2.59~ ∞	2.38~ ∞	2.26~ ∞	
5.6	0.99~ ∞	0.95~ ∞	0.90~ ∞	0.87~ ∞	0.83~ ∞	0.80~ ∞	0.77~ ∞	0.75~ ∞	0.71~ ∞	0.66~ ∞	0.63~ ∞	0.60~ ∞	0.56~ ∞
	3.26~ ∞	3.06~ ∞	2.94~ ∞	2.80~ ∞	2.68~ ∞	2.56~ ∞	2.46~ ∞	2.31~ ∞	2.22~ ∞	2.11~ ∞	1.97~ ∞	1.89~ ∞	
8	0.70~ ∞	0.67~ ∞	0.65~ ∞	0.63~ ∞	0.61~ ∞	0.59~ ∞	0.58~ ∞	0.56~ ∞	0.54~ ∞	0.52~ ∞	0.49~ ∞	0.48~ ∞	0.45~ ∞
	2.28~ ∞	2.18~ ∞	2.12~ ∞	2.05~ ∞	1.98~ ∞	1.92~ ∞	1.86~ ∞	1.77~ ∞	1.72~ ∞	1.65~ ∞	1.57~ ∞	1.51~ ∞	
11	0.51~ ∞	0.50~ ∞	0.48~ ∞	0.47~ ∞	0.46~ ∞	0.45~ ∞	0.44~ ∞	0.43~ ∞	0.42~ ∞	0.40~ ∞	0.39~ ∞	0.38~ ∞	0.36~ ∞
	1.66~ ∞	1.60~ ∞	1.57~ ∞	1.53~ ∞	1.49~ ∞	1.46~ ∞	1.42~ ∞	1.37~ ∞	1.34~ ∞	1.30~ ∞	1.24~ ∞	1.21~ ∞	
16	0.35~ ∞	0.34~ ∞	0.34~ ∞	0.33~ ∞	0.33~ ∞	0.32~ ∞	0.32~ ∞	0.31~ ∞	0.30~ ∞	0.30~ ∞	0.29~ ∞	0.28~ ∞	0.27~ ∞
	1.14~ ∞	1.11~ ∞	1.10~ ∞	1.08~ ∞	1.06~ ∞	1.04~ ∞	1.02~ ∞	1.00~ ∞	0.98~ ∞	0.96~ ∞	0.93~ ∞	0.91~ ∞	

f = 15 mm

Distance \ Aperture	∞	20	10	7	5	4	3.5	3	2.5	2	1.7	1.5	1.3 m
	∞	50	30	20	15	12	10	8	7	6	5	4.5	Feet
1.8	9.62~∞	6.49~∞	4.90~∞	4.05~25.74	3.29~10.42	2.83~6.85	2.57~5.50	2.29~4.36	1.98~3.38	1.66~2.53	1.45~2.07	1.30~1.78	1.15~1.50
	31.55~∞	19.34~∞	15.38~∞	12.24~54.64	10.01~28.60	8.69~19.37	7.59~14.64	6.38~10.72	5.73~9.00	5.04~7.41	4.32~5.94	3.94~5.25	
2.8	1.18~∞	4.72~∞	3.82~∞	3.28~∞	2.76~26.16	2.43~11.34	2.24~8.07	2.02~5.83	1.79~4.20	1.51~2.96	1.33~2.35	1.21~1.98	1.07~1.65
	20.28~∞	14.43~∞	12.10~∞	10.07~∞	8.62~57.61	7.54~29.39	6.70~19.73	5.74~13.21	5.20~10.69	4.63~8.52	4.01~6.64	3.68~5.78	
4	4.33~∞	3.56~∞	3.02~∞	2.67~∞	2.32~∞	2.08~52.94	1.94~18.31	1.77~9.78	1.59~5.92	1.37~3.72	1.22~2.80	1.11~2.30	1.00~1.86
	14.20~∞	11.06~∞	9.64~∞	8.30~∞	7.29~∞	6.50~77.58	5.86~33.83	5.12~18.33	4.69~13.81	4.22~10.39	3.70~7.72	3.42~6.59	
5.6	3.09~∞	2.68~∞	2.36~∞	2.14~∞	1.91~∞	1.74~∞	1.64~∞	1.52~102.27	1.38~13.08	1.21~5.67	1.10~3.78	1.01~2.92	0.92~2.24
	10.13~∞	8.43~∞	7.58~∞	6.73~∞	6.05~∞	5.50~∞	5.03~∞	4.47~37.91	4.14~22.61	3.77~14.70	3.35~9.86	3.12~8.09	
8	2.16~∞	1.95~∞	1.78~∞	1.65~∞	1.51~∞	1.40~∞	1.34~∞	1.26~∞	1.16~∞	1.04~26.47	0.95~7.94	0.89~4.89	0.81~3.26
	7.10~∞	6.22~∞	5.74~∞	5.24~∞	4.81~∞	4.46~∞	4.15~∞	3.76~∞	3.52~∞	3.25~38.79	2.93~16.92	2.75~12.29	
11	1.57~∞	1.46~∞	1.36~∞	1.29~∞	1.20~∞	1.13~∞	1.09~∞	1.03~∞	0.97~∞	0.88~∞	0.82~∞	0.77~∞	0.71~7.48
	5.16~∞	4.68~∞	4.40~∞	4.10~∞	3.84~∞	3.61~∞	3.40~∞	3.14~∞	2.97~∞	2.77~∞	2.54~∞	2.40~∞	
16	1.08~∞	1.03~∞	0.98~∞	0.94~∞	0.89~∞	0.85~∞	0.83~∞	0.80~∞	0.76~∞	0.70~∞	0.66~∞	0.63~∞	0.59~∞
	3.55~∞	3.31~∞	3.17~∞	3.01~∞	2.97~∞	2.74~∞	2.62~∞	2.46~∞	2.36~∞	2.23~∞	2.08~∞	1.98~∞	

f = 20 mm													
Distance \ Aperture	∞	20	10	7	5	4	3.5	3	2.5	2	1.7	1.5	1.3 m
Aperture	∞	50	30	20	15	12	10	8	7	6	5	4.5	Feet
1.8	17.09~∞	9.22~∞	6.31~24.10	4.97~11.85	3.87~7.07	3.24~5.22	2.90~4.40	2.55~3.64	2.18~2.93	1.79~2.27	1.55~1.89	1.38~1.64	1.21~1.41
	56.08~∞	26.43~∞	19.54~64.50	14.74~31.09	11.83~20.48	9.88~15.27	8.49~12.17	7.00~9.33	6.22~8.00	5.42~6.72	4.59~5.49	4.17~4.89	
2.8	10.88~∞	7.05~∞	5.21~123.8	4.26~19.63	3.43~9.25	2.92~6.33	2.64~5.16	2.35~4.14	2.03~3.25	1.69~2.45	1.47~2.01	1.32~1.74	1.16~1.48
	35.69~∞	20.83~∞	16.30~188.1	12.82~45.5	10.56~25.87	8.98~18.08	7.81~13.89	6.54~10.31	5.85~8.71	5.14~7.21	4.39~5.81	4.00~5.15	
4	7.69~∞	5.56~∞	4.35~∞	3.66~77.78	3.03~14.29	2.63~8.33	2.41~6.42	2.16~4.92	1.89~3.70	1.59~2.70	1.39~2.18	1.26~1.86	1.11~1.56
	25.24~∞	16.77~∞	13.71~∞	11.16~96.38	9.41~36.98	8.13~22.88	7.16~16.56	6.07~11.71	5.48~9.69	4.85~7.87	4.17~6.24	3.82~5.48	
5.6	5.44~∞	4.28~∞	3.52~∞	3.06~∞	2.61~61.91	2.30~15.12	2.13~9.82	1.93~6.69	1.71~4.63	1.46~3.16	1.30~2.47	1.18~2.07	1.05~1.71
	17.85~∞	13.15~∞	11.19~∞	9.43~∞	8.15~94.07	7.18~36.63	6.41~22.75	5.52~14.50	5.03~11.52	4.49~9.04	3.91~6.95	3.59~6.02	
8	3.85~∞	3.23~∞	2.78~∞	2.48~∞	2.17~∞	1.96~∞	1.83~38.89	1.69~13.64	1.52~7.14	1.32~4.17	1.18~3.05	1.08~2.46	0.97~1.96
	12.62~∞	10.08~∞	8.88~∞	7.74~∞	6.85~∞	6.15~∞	5.58~48.19	4.90~21.86	4.50~15.72	4.07~11.44	3.58~8.28	3.31~7.00	
11	2.72~∞	2.39~∞	2.14~∞	1.96~∞	1.76~∞	1.62~∞	1.53~∞	1.43~∞	1.30~30.96	1.15~7.56	1.05~4.53	0.97~3.34	0.88~2.49
	8.92~∞	7.57~∞	6.88~∞	6.17~∞	5.59~∞	5.12~∞	4.72~∞	4.22~∞	3.92~32.48	3.59~18.32	3.20~11.37	2.99~9.08	
16	1.92~∞	1.75~∞	1.61~∞	1.51~∞	1.39~∞	1.30~∞	1.24~∞	1.17~∞	1.09~∞	0.98~∞	0.90~14.66	0.84~6.82	0.78~4.01
	6.31~∞	5.60~∞	5.21~∞	4.80~∞	4.44~∞	4.14~∞	3.87~∞	3.53~∞	3.32~∞	3.08~∞	2.79~24.09	2.63~15.70	

f = 30 mm

Distance \ Aperture	∞	20	10	7	5	4	3.5	3	2.5	2	1.7	1.5	1.3 m
	∞	50	30	20	15	12	10	8	7	6	5	4.5	Feet
1.8	38.46~∞	13.16~41.67	7.94~13.51	5.92~8.56	4.42~5.75	3.62~4.46	3.20~3.85	2.78~3.25	2.35~2.67	1.90~2.11	1.63~1.78	1.44~1.56	1.26~1.35
	126.19~∞	35.81~82.81	24.24~39.36	17.26~23.77	13.41~17.02	10.96~13.26	9.27~10.86	7.52~8.54	6.63~7.41	5.73~6.30	4.81~5.21	4.35~4.67	
2.8	24.48~∞	11.01~109.3	7.10~16.91	5.44~9.80	4.15~6.28	3.44~4.78	3.06~4.08	2.67~3.42	2.27~2.78	1.85~2.18	1.59~1.83	1.41~1.60	1.23~1.37
	80.31~∞	30.81~132.5	21.84~47.89	16.01~26.63	12.64~18.45	10.44~14.11	8.89~11.42	7.28~8.89	6.43~7.67	5.58~6.48	4.71~5.33	4.26~4.77	
4	17.31~∞	9.28~∞	6.34~23.68	4.98~11.75	3.88~7.03	3.25~5.20	2.91~4.39	2.56~3.63	2.18~2.92	1.79~2.26	1.55~1.89	1.38~1.64	1.21~1.41
	56.79~∞	26.59~∞	19.63~63.6	14.79~30.87	11.87~20.38	9.91~15.22	8.50~12.14	7.01~9.31	6.23~7.98	5.43~6.71	4.59~5.48	4.17~4.89	
5.6	12.24~∞	7.59~∞	5.50~54.67	4.45~16.35	3.55~8.45	3.01~5.94	2.72~4.90	2.41~3.97	2.08~3.14	1.72~2.39	1.49~1.97	1.34~1.71	1.18~1.45
	40.15~∞	22.27~∞	17.17~118.6	13.35~39.85	10.92~23.95	9.24~17.11	8.01~13.32	6.67~9.99	5.96~8.48	5.22~7.05	4.44~5.71	4.05~5.07	
8	8.65~∞	6.04~∞	4.64~∞	3.87~36.62	3.17~11.84	2.74~7.44	2.49~5.88	2.23~4.59	1.94~3.52	1.62~2.60	1.42~2.12	1.28~1.81	1.13~1.53
	28.39~∞	18.11~∞	14.59~∞	11.73~67.67	9.81~31.80	8.44~20.78	7.40~15.44	6.24~11.14	5.62~9.29	4.95~7.61	4.25~6.07	3.88~5.35	
11	6.12~∞	4.67~∞	3.80~∞	3.27~∞	2.75~27.33	2.42~11.55	2.23~8.18	2.01~5.89	1.77~4.23	1.51~2.97	1.33~2.35	1.20~1.99	1.07~1.65
	20.08~∞	4.32~∞	12.03~∞	10.02~∞	8.59~59.32	7.51~29.83	6.68~19.92	5.72~13.30	5.19~10.75	4.62~8.56	4.00~6.66	3.68~5.80	
16	4.33~∞	3.56~∞	3.02~∞	2.67~∞	2.32~∞	2.08~52.92	1.93~18.31	1.77~9.78	1.58~5.92	1.37~3.72	1.22~2.80	1.13~2.30	1.00~1.86
	14.20~∞	11.06~∞	9.64~∞	8.30~∞	7.29~∞	6.50~77.56	5.87~33.83	5.12~18.33	4.69~13.81	4.22~10.39	3.70~7.72	3.41~6.59	

10

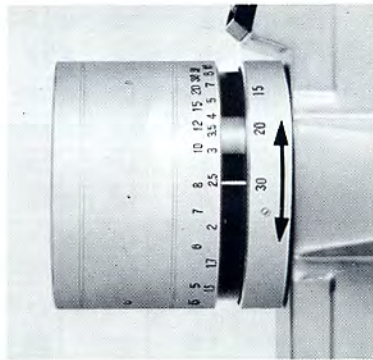
VIEWING AND POWER ZOOMING

Through the parallax free reflex viewfinder, you can see exactly what is being filmed.

- Simply press the **POWER ZOOM BUTTON** while filming, the "T" button for telephoto and the "W" button for wide angle. It takes about 4 seconds at standard filming speed to power zoom from 9mm wide angle to 30mm telephoto or vice versa.

NOTE: To preview the best lens position for your scene before you begin filming, turn the **MANUAL ZOOM RING** from wide angle to telephoto or vice versa, until you see the desired composition in the viewfinder.

The power zoom button operates only when the trigger is pressed and the motor is running.



11 SHOOTING

When the trigger is unlocked, the exposure meter starts working, indicating the aperture opening in the meter window. Press in the trigger and start filming.

- **Safety lock**

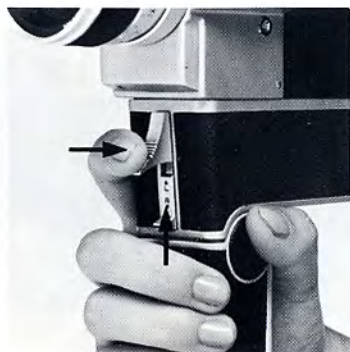
Push the LOCK BUTTON up to the bottom of the trigger to prevent inadvertent running of the camera and to conserve the power of penlight batteries.

- **Running lock (continuous run)**

Push up the LOCK BUTTON while pressing in the trigger. Filming will continue even if you take your finger off from the trigger. To stop the camera, push down the lock button and let the trigger return.

- **Remote control**

The remote control is an optional accessory and available from your Sankyo dealer. When using the remote control, please observe the following:



- (1) Set the REMOTE CONTROL SWITCH to off.
- (2) Insert the remote control PLUG into the JACK located at the back of the camera body.
- (3) Depress the trigger and push up the lock button in to "RUNNING POSITION" (refer to "Running Lock").
- (4) Slide the remote control switch to ON and start filming.
- (5) To stop filming, slide back the switch to OFF, unlock the trigger from the "Running Lock Position" before taking the plug out of the jack.

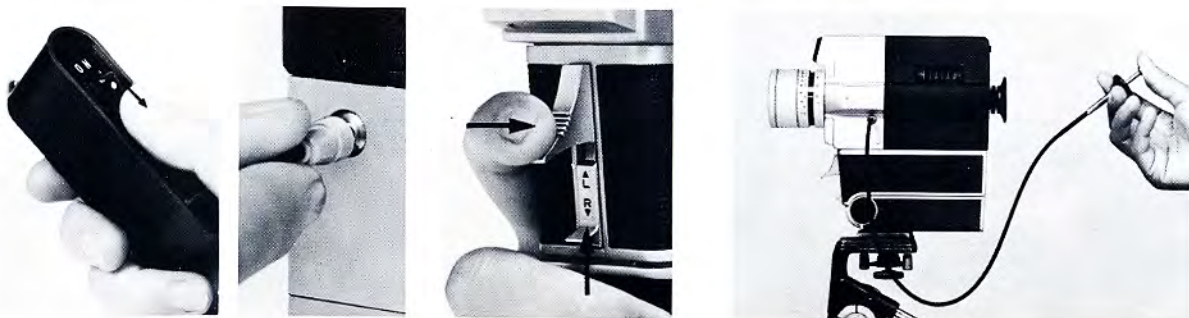
NOTE: Never remove the plug from the jack before unlocking the trigger, otherwise, the film will continue to run.

- **Single frame filming by a cable release**
Fasten a cable release (standard type available at your camera shop) to the cable release socket on the left side of the camera.

Each time you depress and release the cable plunger, the shutter opens to expose only one frame. This procedure is used for making titles, animated sequences, or time-lapse movies.

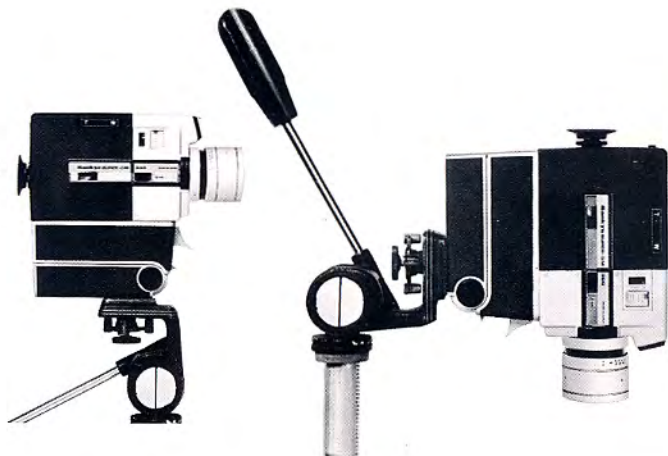
NOTE: For this purpose it is best to manually adjust the lens aperture opening upward by one F-stop under the automatic exposure reading.

A tripod should be used both for single frame and remote control filming.



12 TRIPOD SOCKET

Tripod socket is on the base of the pistol grip. Filming at telephoto position requires a firm support for the camera. The use of a tripod is recommended for close up filming and exacting telephoto requirement.



13 ACCESSORIES



Remote control



Carrying case



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