

**ELMO**

CINEMATIC SOUND CAMERA

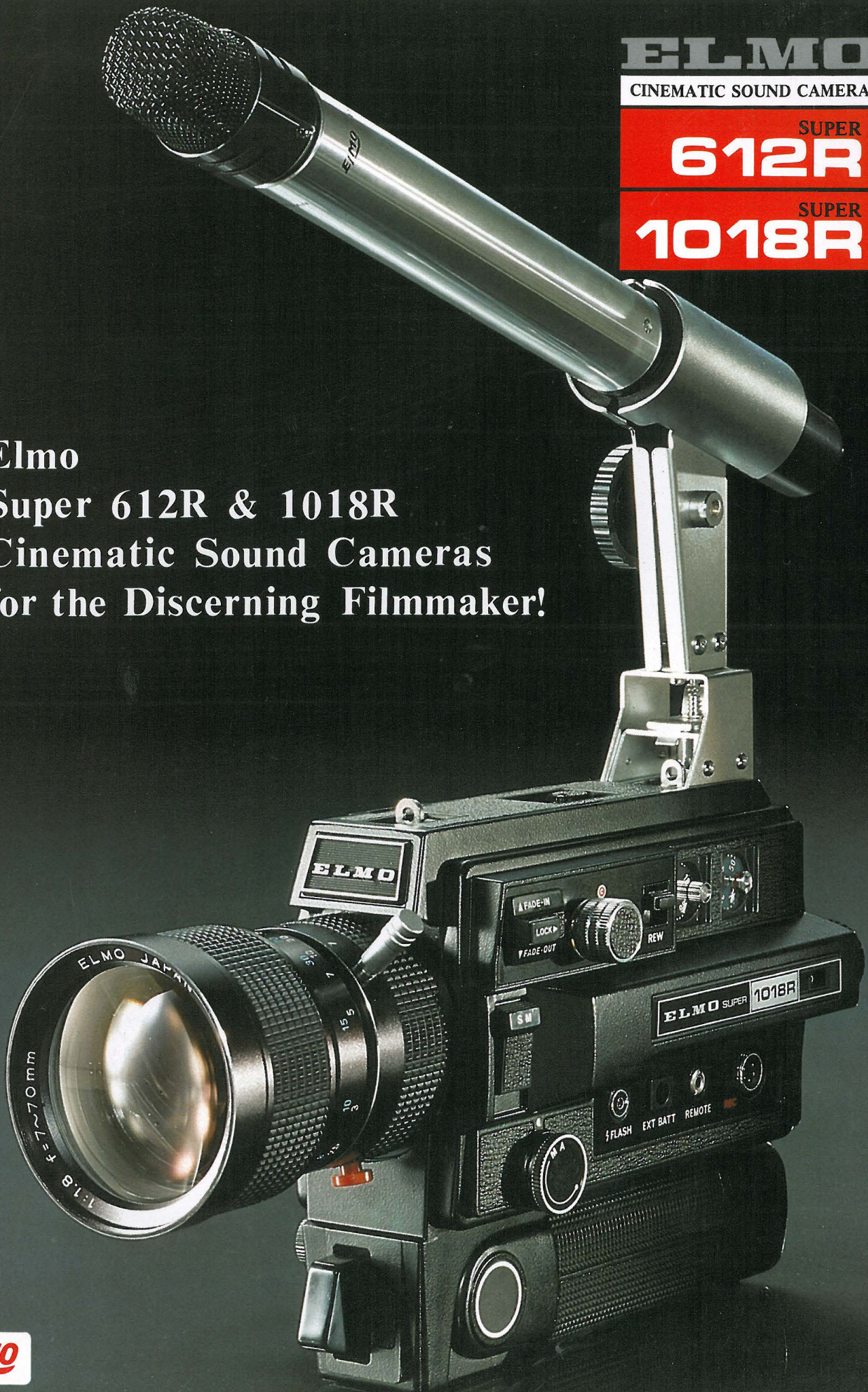
SUPER

**612R**

SUPER

**1018R**

Elmo  
Super 612R & 1018R  
Cinematic Sound Cameras  
for the Discerning Filmmaker!

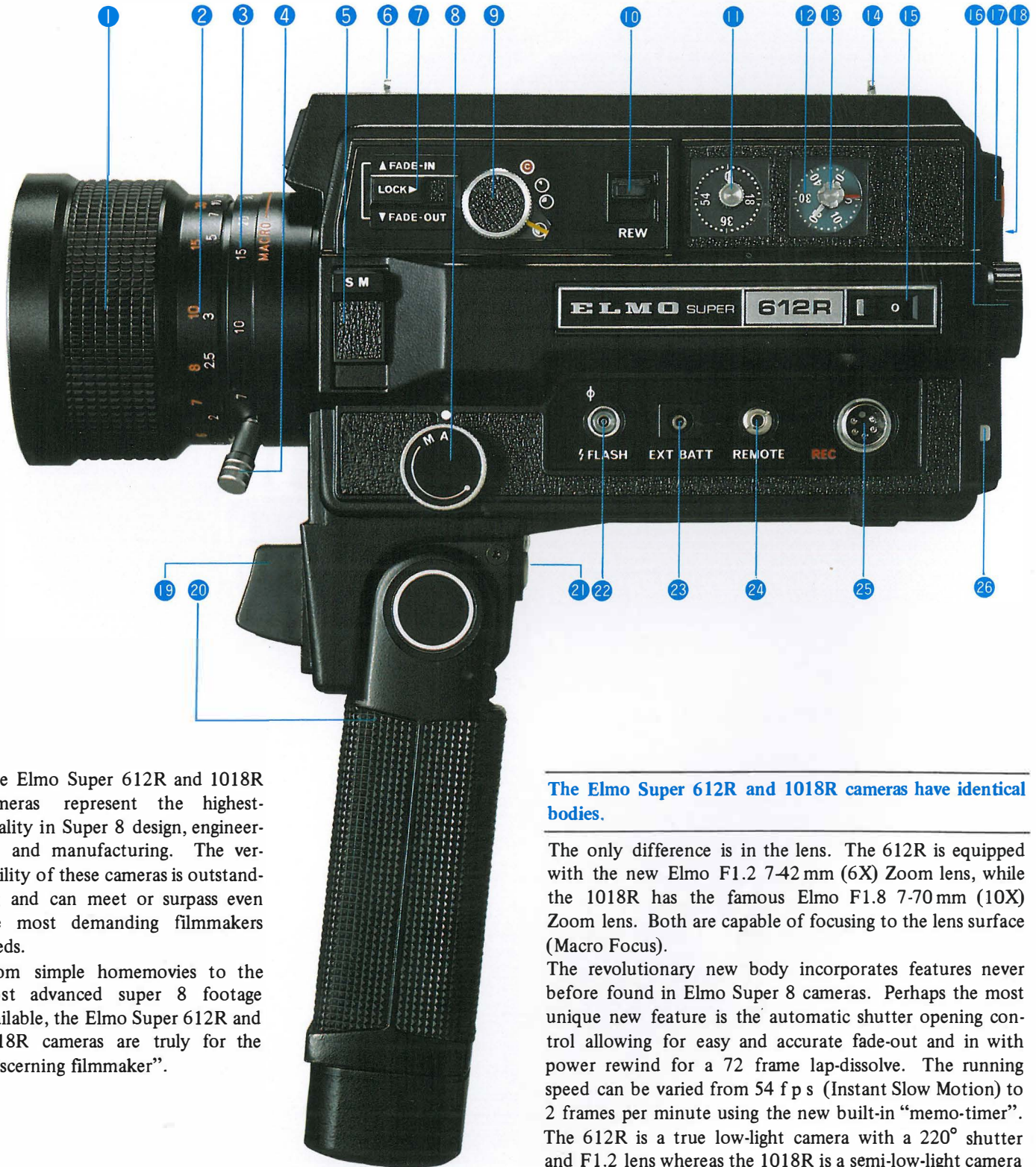


**ELMO**



# The superiority of the Elmo Super 612R and 1018R will be self-evident from the prospect you pick it up.

Whether you plan to use it as a silent camera or a double system sound camera, the advanced features found on either of these cameras will broaden your super 8 filmmaking potential to a level never before possible.



The Elmo Super 612R and 1018R cameras represent the highest-quality in Super 8 design, engineering and manufacturing. The versatility of these cameras is outstanding and can meet or surpass even the most demanding filmmakers needs.

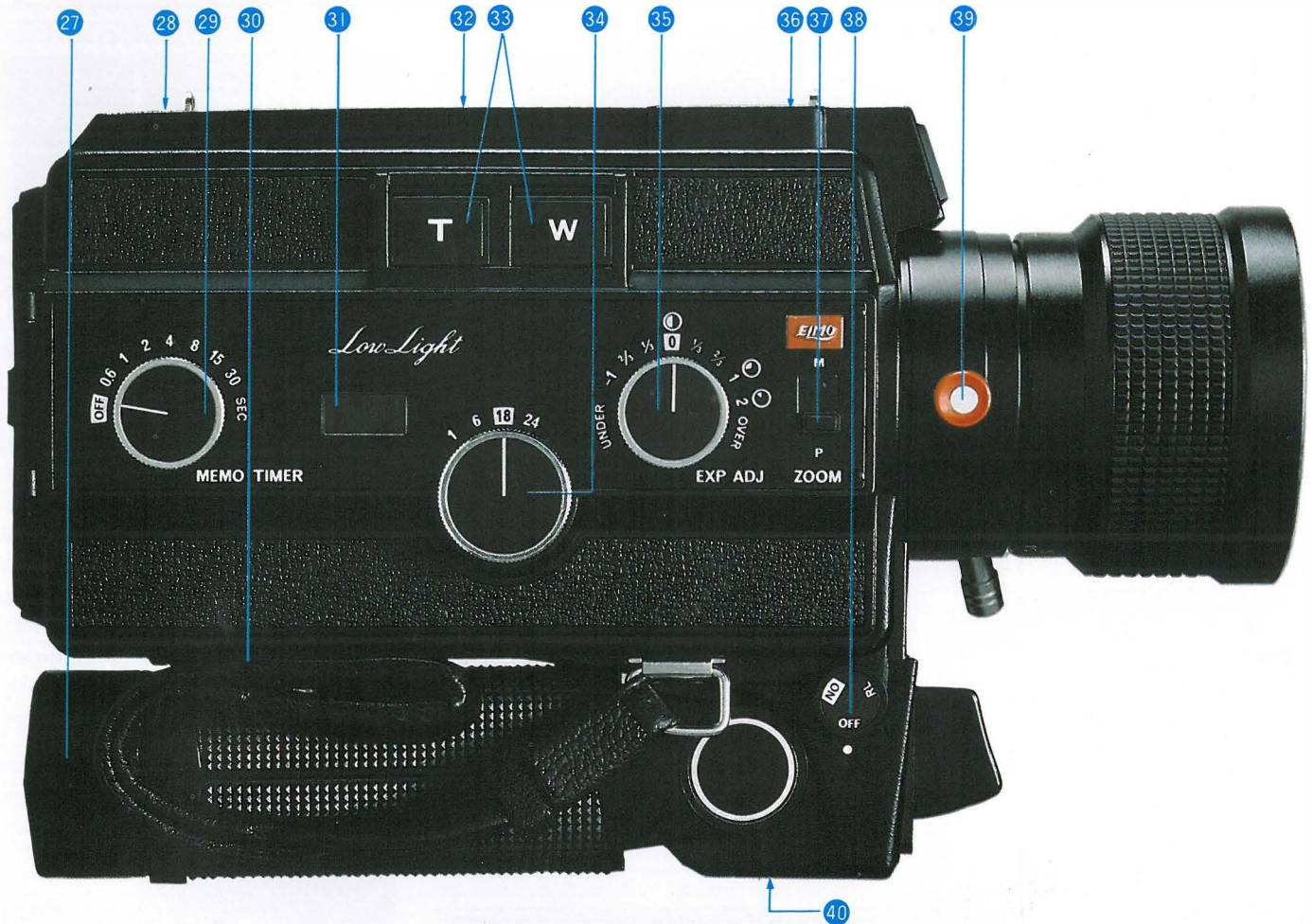
From simple homemovies to the most advanced super 8 footage available, the Elmo Super 612R and 1018R cameras are truly for the "discerning filmmaker".

## The Elmo Super 612R and 1018R cameras have identical bodies.

The only difference is in the lens. The 612R is equipped with the new Elmo F1.2 7-42 mm (6X) Zoom lens, while the 1018R has the famous Elmo F1.8 7-70 mm (10X) Zoom lens. Both are capable of focusing to the lens surface (Macro Focus).

The revolutionary new body incorporates features never before found in Elmo Super 8 cameras. Perhaps the most unique new feature is the automatic shutter opening control allowing for easy and accurate fade-out and in with power rewind for a 72 frame lap-dissolve. The running speed can be varied from 54 f p s (Instant Slow Motion) to 2 frames per minute using the new built-in "memo-timer". The 612R is a true low-light camera with a 220° shutter and F1.2 lens whereas the 1018R is a semi-low-light camera in that it has a 220° shutter but F1.8 lens.





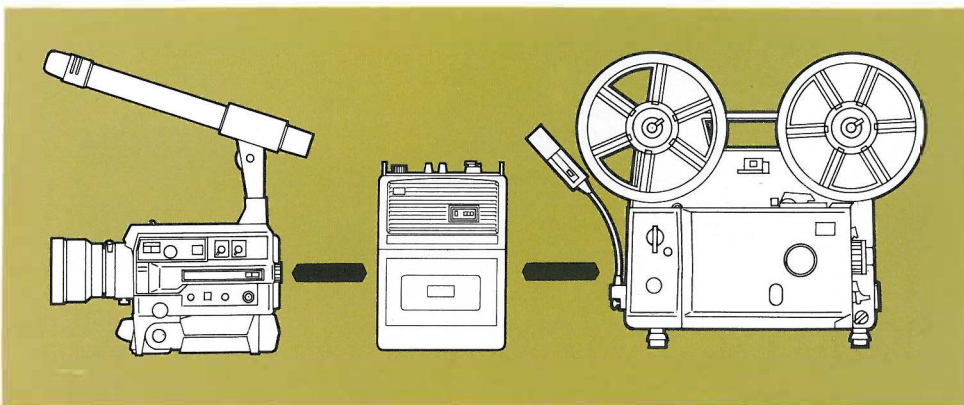
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| <ul style="list-style-type: none"> <li>1 Focus ring</li> <li>2 Focus scale</li> <li>3 Focal length scale</li> <li>4 Manual zoom lever</li> <li>5 Slow motion lever (54 fps)</li> <li>6 14 Shoulder strap lug</li> <li>7 Automatic fade control</li> <li>8 A-M dial</li> <li>9 Manual fade Control</li> <li>10 Rewind button</li> <li>11 Frame counter knob<br/>1 line 2 frames: 1 full turn 72 frames<br/>Adjustable by hand.</li> <li>12 Film counter (Feet)<br/>Forward counting system. resets to<br/>zero when the film is taken out.</li> <li>13 Partial exposure indicator</li> <li>15 Eyesight shutter</li> <li>16 Eyesight adjusting ring</li> </ul> | <ul style="list-style-type: none"> <li>17 Battery check</li> <li>18 Battery check light and film run<br/>indicator</li> <li>19 Dual stage electromagnetic shutter<br/>release</li> <li>20 Folding grip</li> <li>21 Grip lock release</li> <li>22 Electronic flash contact</li> <li>23 External power-pack socket (9 V)</li> <li>24 Remote control socket</li> <li>25 REC socket<br/>Connected to the sync-pulse sound<br/>recorder for double system sound.</li> <li>26 Pause switch<br/>(Double system sound use)</li> <li>27 Battery compartment</li> <li>28 Boom mike and strobo holder socket</li> <li>29 Timer</li> </ul> | <ul style="list-style-type: none"> <li>30 Wrist strap</li> <li>31 Film-type indicator</li> <li>32 Zoom speed selector</li> <li>33 Power zoom button</li> <li>34 Filming speed (fps) selector</li> <li>35 Exposure correcting dial</li> <li>36 Movie light bracket shoe</li> <li>37 Zoom selector<br/>M for manual zooming and P for<br/>power zooming</li> <li>38 Power switch<br/>Setting this switch to ON will supply<br/>the power to the entire electrical<br/>system in the camera.<br/>If set to RL, the shutter release lever<br/>is locked.</li> <li>39 Macro button</li> <li>40 Tripod socket</li> </ul> |
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## Precision Engineering Design by Elmo.

The most often used controls are grouped on the LH-side of the body and the preset controls on the RH-side. This design concept reflects Elmo's consistent dedication to advanced movie camera engineering. Each control is large enough for easy and fast operation. The slim grip is for optimum handheld support. The battery compartment in the grip holds six AA (penlight) batteries. When mounting the camera on the tripod, the hand grip can be folded down for more stable operation.

**A single cable connection enables you to set up a sync-pulse movie filming. You can enjoy a perfect lip synchro sound movie through the pulse control.**

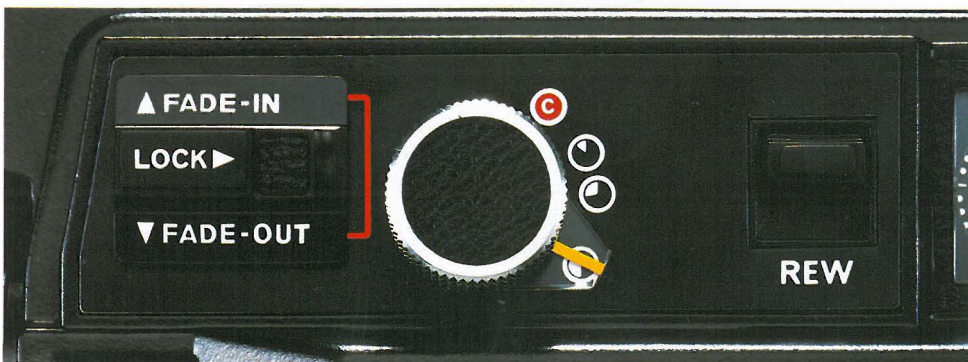


Elmo Super 612R and 1018R are equipped with a synchro-sound filming mechanism.

Perfect lip-sync sound recording is easily performed only by connecting the 612R/1018R to Elmo DR-1/SR-1 sound recorder (option) with a single cable. The pulse per frame and sound are recorded on the sound recorder.

The EC-202 boom microphone (option) is available for capturing really exciting live sounds. Full extension of the boom will let you pick up crisper and clearer sound. By connecting the DR-1/SR-1 to Elmo synchro-sound projector (SP-HD/SP-D/GP-HD/GP-D), a synchro-sound movie projection can be readily replayed. You can enjoy lip-sync picture and sound controlled by pulses from the DR-1/SR-1.

**Another Elmo breakthrough! Simple fade-in/fade-out/overlap operation.**

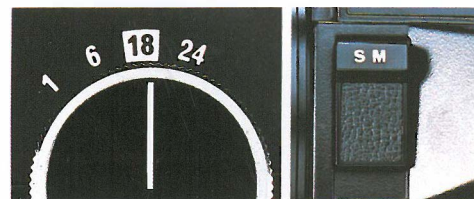


The introduction of the automatic opening and closing of the 220° shutter enables you to use highly sophisticated filming techniques such as fading-out and -in as well as a 70-frame rewind for an automatic lap dissolve.

When rewinding the exposed film, all you need to do is to depress the rewind

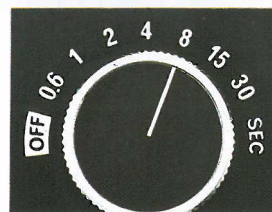
button once and trigger the shutter release. Then, the length (70-frame) of fade-out exposed film will be reversed automatically. (The length of exposure time for the fade-out and -in can be manually controlled by the manual fade control knob if desired.)

**Multi-speed filming! Single frame to 54 fps**



In addition to the standard 18 fps, 24 fps and 54 fps high-speed filming can be performed. The 54 fps speed rate is another Elmo advance for instant slow-motion. Pushing the SM lever will enable you to switch from the ordinary speed to slow-motion operation instantaneously. The built-in 6 fps speed may be used for creating fast motion and comical effects. The exposure time for one frame at 18 fps has been increased as much as three times. This means excellent brilliant picture taking results; very efficient and effective for filming in roomlight and outdoors under lowlight.

**The built-in memo-timer coupled with the single frame exposure setting has increased the versatility of the camera for animation and time lapse photography.**



This memo-timer lets you perform fully automatic single frame exposures at any desired time interval out of the available seven steps ranging from 0.6 sec to 30 sec; 0.6, 1, 2, 4, 8, 15 and 30 sec.

The scope of application of this device is boundless.

As one roll of Super 8 film gives you 200 seconds of filming at 18 fps, you can therefore make a 30-hour filming if the memo timer is set to the 30 sec mode.

The exposure or f-stop is automatically adjusted to the optimum level.

This system can also be used for synchro strobo filming.

### Superb low-light-capability

Exclusively designed for achieving top quality resolution, contrast, and color reproduction. . . .

To improve the excellent low-light performance, the shutter opening angle has been enlarged to 220° using three shutter vanes.

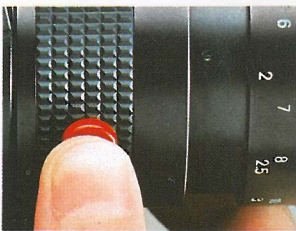
The lens design is another Elmo breakthrough! Model 612R with 6-to-1 f1.2 zoom lens (f = 7 to 42 mm) and Model 1018R with 10-to-1 f1.8 zoom lens (f = 7 to 70 mm).

Both lenses feature superb performance which lets you capture brilliant pictures with sharp images for magnificent quality with the finest resolution and color balance possible.

Both the Elmo Super 612R for low-light filming and Elmo Super 1018R for semi-low-light will allow you more filming opportunities with indifference to time and light.

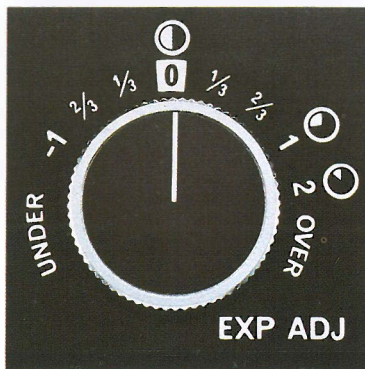
Two speed power zoom (3 seconds and 6 seconds) as well as ultra-smooth manual zoom allow full control of focal length.

### Macro focus adjustment is simple one-touch



One touch of the macro button, conveniently located on the RH-side of the lens. You can get a special filming effect by altering the focus, as the depth of field in macro filming is very shallow.

### Over and under exposure compensation!



You can manually override the exposure by 2 stops over and one stop under with respect to the TTL-controlled exposure; -1, -2/3, -1/3, +1/3, +2/3, +1, and +2. This manual exposure compensation allows you to produce high-key pictures with more brightness or low-key tones with less light.

Or a more sophisticated shot with delicate lighting balance between the object and its background can be created by calculating the f-stop as suited to the situation.

### Variable shutter for greater versatility!

The 220° shutter angle can be reduced down to a half (110°) or to a quarter (55°).

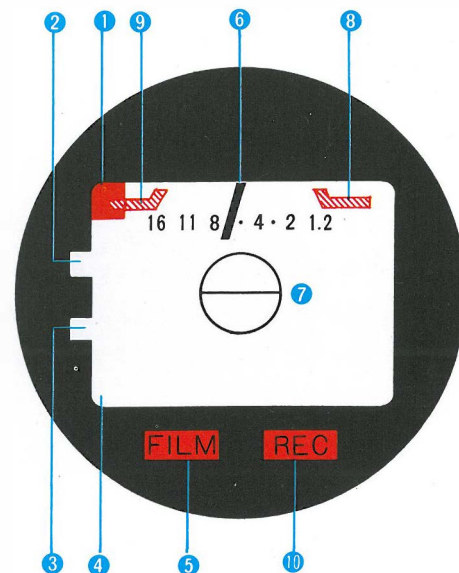
If closed down to half or a quarter, the shutter speed increases as shown in the table below.

With this shutter setting, you can take more crisp and blur-free pictures frame by frame.

Shutter Opening \ fps	18	24	54
220°	1/29	1/39	1/88
110°	1/59	1/78	1/176
55°	1/118	1/156	1/352

### Bright, large, easy-to-read control centre in the viewfinder.

These movie cameras use a TTL, single lens reflex finder. All operation indicators are concentrated in the viewfinder.



① Shutter angle (220°) indicator

② Shutter angle (110°) indicator

③ Shutter angle (55°) indicator

④ Shutter angle (0°) indicator

⑤ End of film mark

FILM mark glows when there is no film in the camera or a roll of film is finished.

This FILM mark begins flickering as the end of film approaches or about 12 sec before the film runs out.

⑥ F-stop indicator

⑦ Split image focus

⑧ Underexposure indicator

⑨ Overexposure indicator

⑩ Sound recording signal

When connected to the sync-pulse sound recorder, REC mark flickers during synchro-filming operation.



# Versatile filming technique for discerning filmmaker !



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Elmo has developed a compact sound recorder for quality sound recording and efficient editing.

All sound recording functions are built into this compact recorder.

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Film making is further refined through film and sound editing.

We have separated the sound functions from the camera by developing the Elmo Cinematic sound recorder therefore assuring you of top quality synchro-sound films.

The camera is provided with a sync-pulse generator and its associated mechanism controlling the sound recording function.

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Single cable connection and compact design make the new DR-1 sound recorder ideal for field use.

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After connecting the cable to the camera socket in the DR-1, set the DR-1 to

“record” and you are ready for operation. All you have to do is to aim, focus and trigger the camera shutter release.

The DR-1 sound recorder then starts and stops in synchronization with the camera. The DR-1 registers the sound and frame-by-frame pulse signal fed from the camera. This Cinematic sound system guarantees perfect picture-to-sound synchronization in all filming modes.

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## Core of the system: Cinematic sound recorder

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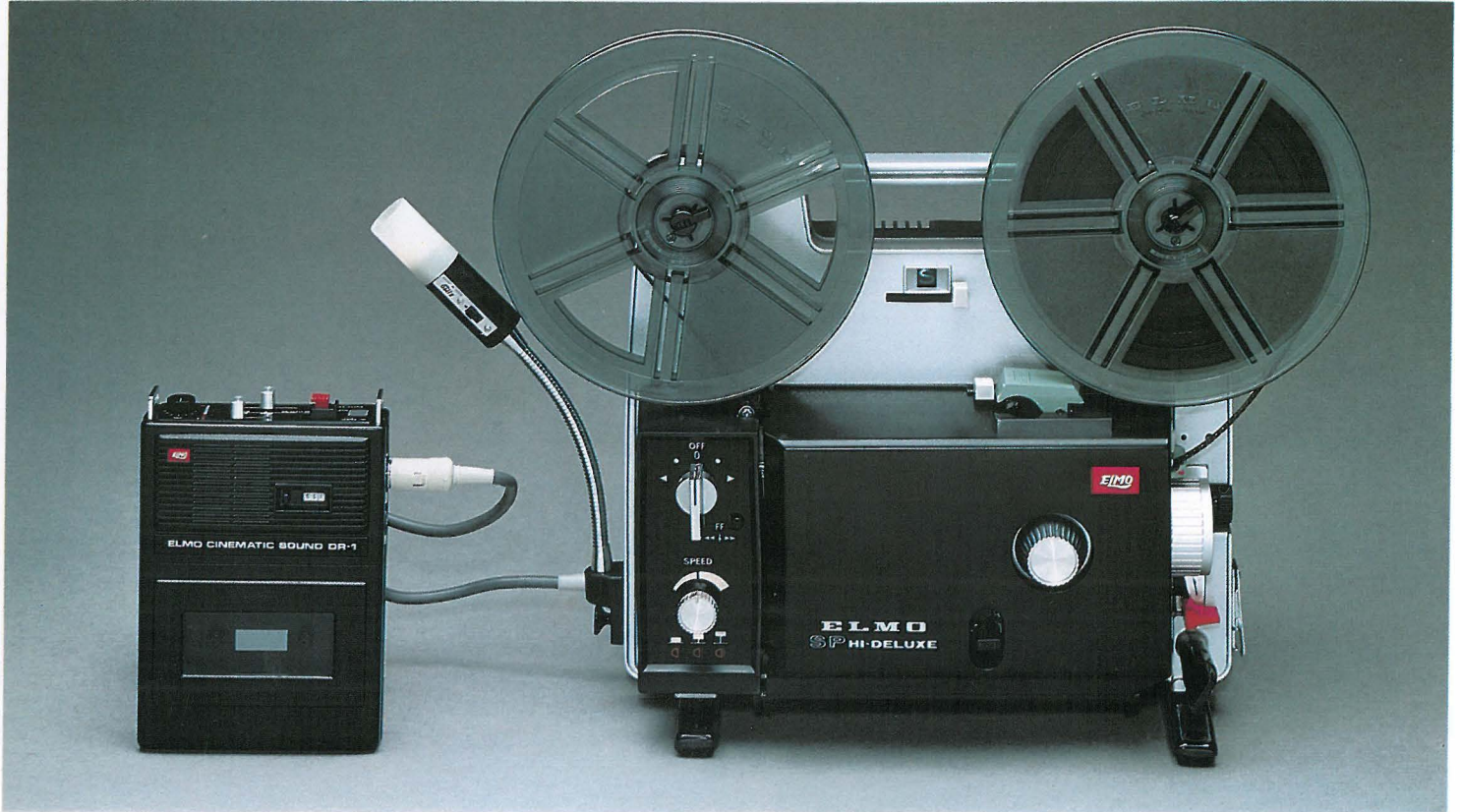
This Cinematic sound recorder constitutes the core of the Elmo Cinematic sound system; you can choose either the SR-1 or DR-1.

Model DR-1 is more compact in design and lighter in weight than the SR-1. Its dimensions measure 16 x 11.4 x 3.7 cm. It weighs only 700 g. External speakers (option) are available for auditorium use.



Elmo Cinematic Sound SR-1



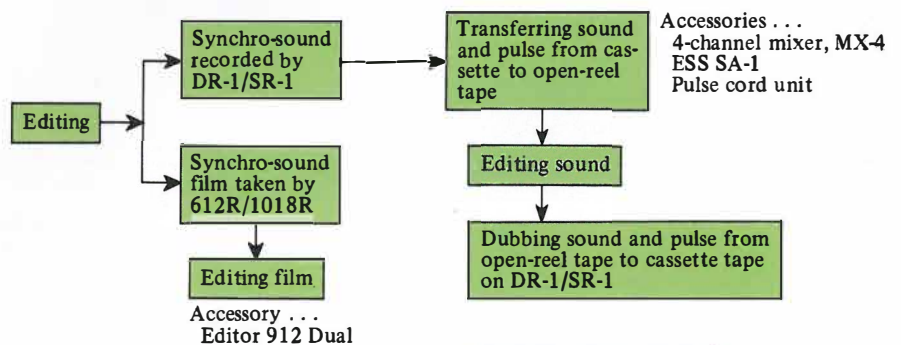


### Elmo sound for efficient synchro sound filmmaking

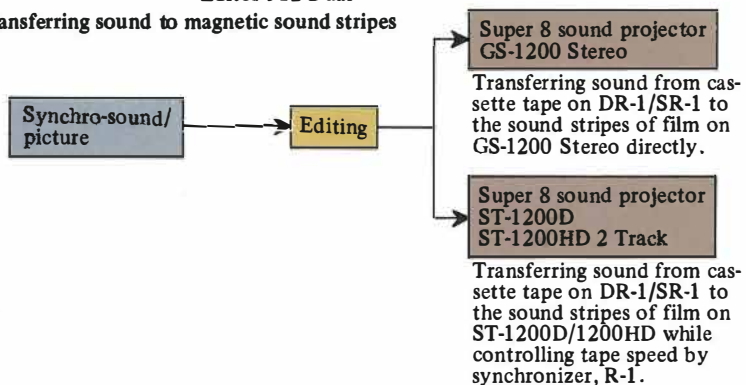
Model 612R or 1018R can be combined with the Elmo Cinematic sound recorder SR-1/DR-1 to constitute an efficient synchro-sound filming system using sync-pulse. Elmo SP and GP series sync-pulse sound projectors equipped with the built-in pulse generating mechanism can be utilized as a synchro-sound projector. The DR-1 Cinematic sound recorder performs the functions of synchro sound recording and reproduction, playing a key role in this system.

This equipment can offer a wide variety of performance features such as synchro-sound reproduction using a single cable, editing the sound and pulse recorded on the sound recorder by transferring them to an open-reel tape, and transferring these sound and pulse onto the magnetic film, etc. with selective use of accessories available.

#### \* Editing sound and picture



#### \* Transferring sound to magnetic sound stripes



## Accessories



\* Movie Light



\* Power Pack 9V (6 "C" size batteries, large-capacity external power source)



\* Strobe Holder



\* Remote Control



\* Boom Mike EC-202

To be mounted on the camera body. Boom extends diagonally up to 60 cm. The top end of the boom incorporates a high-performance electret condenser microphone.



\* Extension Cord (10 cm) for EC-202



\* Mike Base for EC-202  
\* Mike Crip for EC-202



\* Sync-pulse sound projector

This synchro-sound projector is needed to project the synchro-sound films. This projector has a built-in pulse operating mechanism allowing the projector to run in synchronization with the sync-pulse sound recorder. You can select your choice out of the Elmo sound sync projector series; Elmo SP Hi-Deluxe/

Elmo SP Deluxe/Elmo GP Hi-Deluxe/and Elmo GP Deluxe.

\* Sync-pulse sound recorder  
Connected to either 612R or 1018R camera. Interlocked with the shutter lever of the camera, the sound pulse signals are recorded in synchronization. This recorder can be used as a conventional cassette tape recorder.

## Specifications

<b>Type:</b>	Super 8 cinematic sound camera
<b>Synchro sound recording system:</b>	Combined with the cinematic sound recorder, SR-1 or DR-1, it is possible to perform cinematic sound filming.
<b>Lens:</b>	Model 612R . . . . . F1.2 6-to-1 Elmo zoom lens (f = 7 to 42 mm) Model 1018R . . . . . F1.8 10-to-1 Elmo zoom lens (f = 7 to 70 mm)
<b>Macro shooting:</b>	Possible
<b>Zooming:</b>	Power and manual
<b>Zooming speed:</b>	Two speeds selectable in power zooming (High: about 3 sec, Low: about 6 sec.)
<b>Filter thread diam:</b>	67 mm (both 612R and 1018R)
<b>Film drive:</b>	Controlled by electronic-operated governor, Filming speed: 6, 18, 24, 54 fps and single frame exposure
<b>Viewfinder:</b>	Single-lens reflex type, Split image focusing, Eyesight adjustable (-5 to +2.5 diopter)
<b>Indicators in the viewfinder:</b>	F-stop indicator, Shutter angle, Film-end mark, Sound recording level indicator
<b>Shutter:</b>	Electromagnetic release system, 3-vane construction
<b>Shutter release:</b>	Two-stage type
<b>Shutter angle:</b>	Infinitely variable within the range from 220° to 0°, 1/2 (110°) and 1/4 (55°) can be locked.
<b>Exposure:</b>	TTL fully automatic exposure control using a CdS (no mercury battery needed), Manual exposure override available.
<b>Exposure Correction:</b>	Possible (-1, -2/3, -1/3, +1/3, +2/3, +1, and +2 with click stop)
<b>Memo-timer:</b>	Built-in, Automatic interval control for single frame exposure in seven steps within the range from 0.6, 1, 2, 4, 8, 15, to 30 sec., Equipped with click stops.
<b>Slow motion</b>	Instant slow motion by lever operation (54 fps)
<b>Fading:</b>	Automatic and manual fade in and fade out
<b>Overlapping:</b>	Automatic mode by a preset system (4 sec at 18 fps)
<b>Rewinding:</b>	70 frames
<b>ASA speed:</b>	Daylight: ASA 25, 100 Artificial light: ASA 40, 160 (Automatically keyed with film loading)
<b>Film type identification window:</b>	Provided
<b>Film counter:</b>	Forward-counting system, Automatically reset, Equipped with a memory pointer
<b>Frame counter:</b>	2 frames per line, 72 frames per a full turn
<b>Remote filming:</b>	Possible
<b>Battery:</b>	9V (6 AA penlight)
<b>Power switch:</b>	On/Off for entire power system in the camera
<b>External power socket:</b>	Connected to optional power pack 9V (6 "C" size batteries)
<b>Synchrosocket:</b>	Synchronized with electronic flash
<b>Grip:</b>	Folding type (Inside of the grip constitutes the battery compartment.)
<b>Shoulder strap:</b>	Connectors built-in.
<b>Pulse generator:</b>	Built-in generating one pulse per one frame in phase with the shutter rotation
<b>REC socket:</b>	Connected to the sync-pulse sound recorder, feeding pulse signal to the recorder and controlling the start and stop of the recorder.
<b>Pause switch:</b>	Controlling the pulse generation at the start and end of a film.
<b>Boom mike socket:</b>	Accepts the optional boom mike EC-202
<b>Recording signal:</b>	Built-in in the viewfinder
<b>Dimensions &amp; Weight:</b>	256x86x140 mm / 2.0kg (Model 1018R) 240x86x140mm / 1.9 kg (Model 612R)

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