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# ELMO

ELMO SUPER 8 STEREO SOUND PROJECTOR  
MODELS GS-1200 XENON & GS-1200P XENON



**ELMO CO., LTD.**

# The "Ultimate" in Super 8 Sound Audio-Visual Projection System

## 1. LIGHT SOURCE:

The 250W Xenon-arc white light beam assures faithful color reproduction and intense brightness.

## 2. OPTICS:

The projector is available with either the superb ELMO F1.2,  $f=25 \sim 50$  mm telephoto zoom or the F1.0,  $f=12.5 \sim 30$  mm wide-angle zoom lens.

These state-of-the-art high-speed lenses assure ultra-sharp, bright images in an auditorium or in a conference room with the lights on.

## 3. SOUND SYSTEM:

The built-in pre-amplifiers and the two main amplifiers, each with 30W output, create room filling, crystal clear Stereo sound.

The perfect combination of these three innovative improvements has changed the conventional concept of Super 8 sound movies.

### Here is more versatility.

- \* Single unit portability with the Xenon lamp power source incorporated in the projector.
- \* Completely equipped, yet simple to operate by magnetic release, light touch "Piano Key" controls.
- \* 18 and 24 fps, plus fine speed adjustment.
- \* Reel-to-reel fully automatic film loading system.
- \* Maximum 360 m (1,200 ft.) reel capacity for continuous projection of 80 minutes at 18 fps or 60 minutes at 24 fps.
- \* Magnetic recording and reproduction in any mode of monaural, two-track or stereo; plus optical reproduction.  
(Also available without the recording feature, Model GS-1200P Xenon.)
- \* 4 motors are built in to ensure the ultimate in reliable performance.
  - (a) Electronic governor motor for smooth rock steady film transport.
  - (b) Take-up motor for reliable and stable film take-up.
  - (c) Fan motor for efficient cooling and pre-driving of the fly wheel to ensure instant speed stabilization.
  - (d) Rewind motor for high speed rewind.
- \* Remote control capability for forward, reverse, stop and recording (with an optional remote control cable.)
- \* Built-in pulse synchronizer for double system sound reproduction and direct sound transfer from tape to film.
- \* Large illuminated level meters for easy and accurate reading.
- \* Built-in digital frame counter to enable accurate recording and editing.
- \* Projection lens swings open for quick removal of film in mid-reel and for cleaning the film gate.

## SPECIFICATIONS

<b>PROJECTOR</b>	
Power Source	Single phase AC, 50/60Hz
Power Consumption	450W
Motor	4 motors used. (Main electronic governor motor, Take-up motor, Rewind motor and Cooling fan motor)
Film	Super 8/Single 8 Sound and Silent films
Film Loading	Fully automatic loading
Film Capacity	Max. 360 m (1,200 ft.)
Projection Speed	18 and 24 fps (Fine adjustment possible)
Reverse Projection	Possible
Slow Transportation	Possible for frame hunting
Remote Control	Forward/Reverse projection and switch-over of magnetic recording/playback can be remotely controlled with an optional remote cable.
Film Rewinding	High speed rewind
Main Operation Button	Piano key control
Frame Counter	Built-in (One digit per 18 frames)
Elevation Control	Up to 7° Level control possible with rear foot
<b>LIGHT SOURCE</b>	
Projection Lamp	250W Xenon-arc lamp (Ozone-free)
Projection Lens	F/1.2 f = 25 ~ 50 mm Telephoto zoom lens or F/1.0 f = 12.5 ~ 30 mm wide-angle zoom lens
<b>SOUND SYSTEM</b>	
Playback	Magnetic stereo/2-track sound and optical sound playback
Recording	Magnetic recording possible
(GS-1200 Xenon only)	
Stereo Recording	Simultaneous sound recording on track 1 (Main stripe) and on track 2 (Balance stripe) for true stereo sound
2-Track Recording	Individual recording on tracks 1 and 2 possible
Sound Transfer	Sound transfer from track 1 to track 2 or vice versa possible.
Sound-on-sound Recording	Possible on tracks 1 and 2
Sound Mixing	Possible through MIC and AUX IN terminals
Recording Level Control	Automatic (Manual control possible)
<b>SOUND SYSTEM</b>	
Volume Control	Two independent controls for tracks 1 and 2.
Tone Control	Two independent controls for tracks 1 and 2. Bass and treble separate control.
Amplifier	Two independent pre-amplifiers and main amplifiers for tracks 1 and 2 for true stereo performance
Music Power Output	30W + 30W (8 ohms)
Continuous Power Output	20W + 20W (8 ohms)
Level Meter	Two independent meters for tracks 1 and 2
Input Terminals	
AUX IN (x2)	Impedance . . . . . 50K ohms Input level . . . . . more than -20 dBs
MIC (x2)	Impedance . . . . . 500 to 10K ohms Input level . . . . . -72 to -30 dBs
Output Terminals	
AUX OUT (x2)	Impedance . . . . . 600 ohms
EXT SP (x2)	Impedance . . . . . 8 ohms
MONI (x2) and	Impedance . . . . . 8 to 16 ohms
STEREO HEADSET	
Public Address	Possible
Recording/Playback Head	2-track special alloy magnetic head (Alternate bias system)
Erasing Head	Alternate erasing system
Photo Electric Element	Solar battery
Pulse Synchronization	Possible. While projecting with pulse synchronization, magnetic recording or playback is possible. Speed-pulse meter and Fast/Slow button provided.
Exciter Lamp	4V, 0.75A Direct-current lighting
Built-in Speaker	12.5 cm (5") dynamic speaker (x2)
Indication Lights	Recording (x2), Forward projection
<b>DIMENSIONS &amp; WEIGHT</b>	
Dimensions	385 x 299 x 219 mm (15.2 x 11.8 x 8.6 in.)
Weight	16.5 kgs. (36.4 lbs.)
<b>ATTACHMENT</b>	
Attachment	240 m (800 ft.) reel, Power cord, Microphone, Dust cover, Earphone, Cleaning brushes

(Specifications are subject to change without prior notice.)