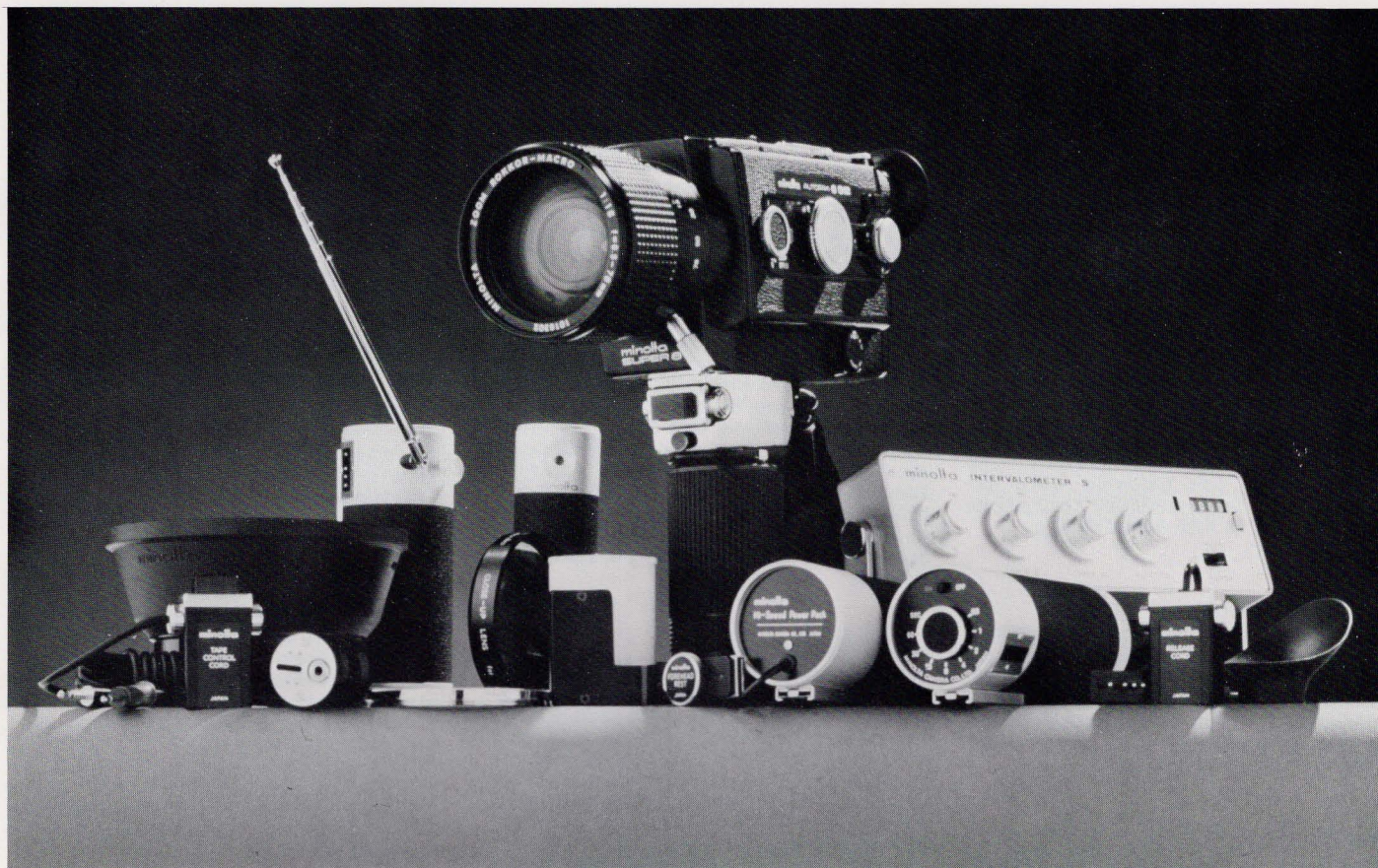


Minolta Autopak-8 D12

An extraordinarily responsive tool for the filmmaker, combining professional-level filming capabilities with super 8 operating convenience.



- 6.5-78mm f/1.8 Zoom Rokkor lens with 12:1 zoom ratio
- Five-speed power zooming covers full range in 2 to 12 seconds
- Macro filming range controlled by switch on camera body permits focusing as close as front surface of lens, filling frame with subject as small as $1\frac{1}{8} \times 1\frac{1}{8}$ in.
- Total control-center SLR viewfinder has central split-image rangefinder, f/stop scale, over/underexposure warning signal, film safe-run signal, shutter-opening fade indicator and film-end signal
- Finder eyepiece adjusts to user's eyesight
- Built-in eyepiece blind
- Through-the-aperture auto-exposure system compensates for running speed, focal length, zooming, filtration and close-up photography
- ± 2 EV auto-exposure override for aesthetic control or unusual situations
- Manual f/stop control from f/1.8 to f/45
- Running speeds of 8, 12, 18, 24, 32 and 54 fps, plus single-frame (32 and 54 fps with supplied Hi-Speed Power Pack)
- Film speeds from ASA 10 to ASA 640 keyed automatically
- Variable-sector rotary shutter for exposures as short as $1/486$ second
- Automatic 54-frame lap-dissolves
- Automatic and manual fades
- Electromagnetic shutter release is vibrationless, interchanges with other Minolta electromagnetic releases for wire or wireless remote control, automatic time-lapse, other advanced applications
- Electronic flash synchronization via PC terminal for time-lapse or special-effects filming
- Battery test circuit
- Advanced system of accessories for maximum versatility
- The Minolta Autopak-8 D12 is available in a complete outfit including Camera, Lens Shade, Hi-Speed Power Pack, Remote Control Cord, Oversize Eyepiece Hood, Forehead Rest, 1A Filter and Fitted Case

NOTE: Specifications subject to change without notice.

Minolta Autopak-8 D12

Accessories

Carrying Case

This handsomely crafted compartmented carrying case allows the Autopak-8 D12 to be carried and stored with maximum protection against accidental damage. In addition to the D12, the case will hold a Lens Hood, Hi-Speed Power Pack, Remote Control Cord, Oversize Eyepiece Hood, Forehead Rest, 1A Filter and various small accessories.

Hi-Speed Power Pack

The Hi-Speed Power Pack is used when filming at 32 or 54 fps. It mounts on the D12's accessory rail and plugs into a special socket on the bottom of the camera with a short cord. The Hi-Speed Power Pack holds 7 AA-size 1.5v batteries, which replace the batteries in the D12's handgrip as a power source for high-speed filming.

1A Skylight Filter

Designed specifically for the D12, this filter has a 67mm-diameter threaded mount. It's clear to the eye, has no filter factor and absorbs ultraviolet radiation for superior color rendition, and for better contrast in black-and-white when filming in areas where UV radiation is excessive.

Lens Shade

Large, deep lens shade is made of soft, flexible rubber. It helps prevent lens flare when filming in strong, direct light and side-lighted situations, shields the lens from the elements in bad weather and provides physical protection from bumps.

Lens Cap

The Lens Cap protects the front surface of the lens from dirt and damage when the camera is not actually in use. It is installed and removed by pressing on the two buttons located on either side of the cap.

Close-Up Lens

Attached to the zoom lens of the D12, the Close-Up Lens permits photographing as close as 17 inches, filling the frame with a subject area as small as $\frac{1}{8} \times \frac{1}{4}$ inch. It requires no special focusing and does not affect exposure and zooming. The Close-Up Lens supplements the built-in macro focusing of the Autopak-8 D12 and allows making close-up zoom shots.

Oversize Eyepiece Hood

Made of soft, flexible rubber, it attaches easily to the D12's eyepiece, where it prevents extraneous light from entering the finder and possibly affecting exposure accuracy, and provides an additional measure of comfort. In bright areas, it makes it easier to concentrate on the finder image, too.

Intervalometer-P

This solid-state, six-transistor timer is battery-operated and mounts directly on the accessory rail of the D12. It connects with the Release Cord to the D12's electromagnetic shutter release, and trips the camera at intervals of 0.5, 1, 2, 4, 8, 15, 30 or 60 seconds. It features shockproof construction for long service life, and operates reliably over an extremely wide temperature range. It is powered by 5 AA-size batteries and accepts the same Battery Magazine as the D12.

Intervalometer-S

This sophisticated instrument incorporates three high-quality timers plus a counting device, and may be used with motor-driven still cameras as well as with the Autopak-8 D12. The Intervalometer-S can be used for conventional time-lapse, memomotion (a series of single-frame exposure actuations at fixed intervals), work sampling (a series of continuous-run sequences filmed for a certain duration at fixed intervals) and indent work samplings (a series of time-lapse or memomotion single-frame exposures filmed for a certain duration at regular intervals). The Intervalometer-S provides an unusually broad range of intervals from $\frac{1}{2}$ second to 10 minutes. It is designed for a long service life, thanks to silicon-transistor solid-state timers, which provide superior shock-resistance, and flip-flop circuits for extreme accuracy under prolonged use. The Intervalometer-S operates flawlessly over an extremely wide temperature range. It is powered by six C-size batteries in a built-in battery compartment. It incorporates a magnetic counter to four digits, battery test circuit and work-sampling signal lamp mark.

Forehead Rest

The Forehead Rest attaches to the accessory rail on top of the Autopak-8 D12 and is locked into position with a clamping screw. It's cushioned for comfort and allows the D12 to be braced against the photographer's forehead, providing more secure and stable support for the camera.

Battery Magazine

A spare Battery Magazine is convenient for extended filming sessions. The plastic case holds 5 AA-size batteries and is instantly interchangeable with the Battery Magazine in the D12's handgrip. Carrying additional loaded Battery Magazines ensures that no time will be lost—or footage missed—while covering lengthy activities.

Release Cord

This 12-inch cord serves as an electric cable release. One end fits the D12 in place of the electromagnetic shutter release, which is in turn attached to the free end of the release cord. This cord is useful for making single-frame exposures, as in animation or titling. It prevents camera movement for maximum steadiness in tripod-mounted applications.

Remote Control Cord

This 16.5-foot cord plugs into the D12 in place of the Electromagnetic shutter release, permitting camera operation at a distance. Up to three cords may be linked for manual control of the film run from about 50 feet from the camera. The Remote Control Cord may also be used to operate more than one camera at a time. Where multi-camera triggering is desired, special adaptation is required to interconnect the necessary number of Remote Control Cords with one master switch.

Tape Recorder Control Cord

This cord connects the D12 via the electromagnetic shutter release with a cassette tape recorder for synchronizing filming and sound recording. The tape recorder will operate while the filming button is depressed. Any portable recorder using a two-pin plug may be employed.

Wireless Remote Control Unit

This battery-powered system consists of a transmitter and a camera-mounted receiver that permit remote operation without connecting wires up to a distance of 260 feet. The receiver mounts on the D12's accessory rail, and connects by cord through the camera's electromagnetic shutter release. Pushing the main switch of the transmitter activates the camera. The transmitter and receiver are designed for long service, and will operate reliably over an extremely wide range of temperatures.

Minolta XL-601

Minolta's lightweight compact low-light super 8 movie camera with 6:1 power macro zoom lens, built-in intervalometer with self-timer, and through-the-lens automatic exposure control.

- 7.5-45mm f/1.7 Zoom Rokkor lens with 6:1 zoom ratio.
- High-speed lens and wide-sector shutter for dim-light filming without movie lights.
- Full-range power zooming by rocker switch, plus manual zoom control.
- Macro focusing to front surface of lens controlled by macro switch on camera.
- Through-the-aperture CdS auto-exposure system compensates for focal length, zooming, filtration and macrophotography.
- Manual f/stop control from f/1.7 to f/45. Allows fade-in/fade-out.
- Easy, foolproof drop-in loading with super 8 cartridges.
- + 1.5 EV backlight exposure adjustment.
- Red run signal on the front of the camera pulsates during film run.
- Built-in intervalometer for time-lapse filming fires single frames at intervals from 0.5 second to every 60 seconds.
- Built-in self-timer incorporated in the intervalometer permits a 10 second delay before the start of the film run. A red run signal on the front of the camera glows steadily during the delay and also pulsates during the self-timer-controlled film run. Can be varied from 10 to 20 seconds.
- Running speeds of 18 fps, single frame and intervalometer-controlled range.
- Accepts film speeds from ASA 25 to ASA 160 keyed automatically.
- Total control-center SLR viewfinder with central split-image rangefinder, manual setting signal, film-run signal, over/underexposure warning signal, bat-



tery check signal and film-end warning indicator.

- Filter switch controls internal conversion filter for proper color balance indoors and outdoors.
- Electromagnetic shutter release is vibrationless.
- Electronic flash synchronization via PC terminal for time-lapse or special-effects filming.
- Swing-away handgrip for fast, easy tripod mounting; has wrist strap for safe carrying.
- Accessory input socket accepts remote control cords, wireless

remote units and supplementary timing devices.

- Film supply window shows how much unexposed film remains.
- Film load window shows whether or not camera is loaded, type of film in camera.
- Finder eyepiece adjustable to user's eyesight.
- Lens mount threaded to accept 46mm diameter filters.
- Rubber lens shade shields lens from stray light, protects it from damage and folds for convenient storage.

XL-601 Accessories

Soft Shoulder Case

Lightweight carrying case protects camera while carrying.

Lens Cap

Available as replacement for cap supplied with camera.

Remote Control Cord

Ten-foot cord serves as cable release for electromagnetic shutter release of XL-601. Built-in lock for continuous filming.

Connecting Cord S

Twelve-inch cord connects Intervalometers P and S and Wireless Remote Control Unit's receiver to XL-601.

Connecting Cord L

Ten-foot cord connects Intervalometers P and S and Wireless Remote Control Unit's receiver to XL-601.

Minolta XL-401

A Minolta quality compact low-light super-8 movie camera with most of the features of the XL-601.

- 8.5-34mm f/1.2 Zoom Rokkor lens with 4:1 zoom ratio.
- High-speed lens and wide-sector shutter for dim-light filming without movie lights.
- Full-range power zooming by rocker switch, plus manual zoom control.
- Macro focusing to front surface of lens controlled by macro switch on camera.
- Through-the-aperture CdS auto-exposure system compensates for focal length, zooming, filtration and macrophotography.
- Manual f/stop control from f/1.2 to f/45. Allows fade-in/fade-out.
- Easy, foolproof drop-in loading with super 8 cartridges.
- +1.5 EV backlight exposure adjustment.
- Red run signal on the front of the camera pulsates during film run.
- Built-in intervalometer for time-lapse filming fires single frames at intervals from 0.5 second to every 60 seconds.
- Built-in self-timer incorporated in the intervalometer permits a 10 second delay before the start of the film run. A red run signal on the front of the camera glows steadily during the delay and also pulsates during the self-timer-controlled film run. Can be varied from 10 to 20 seconds.
- Running speeds of 18 fps, single frame and intervalometer-controlled range.
- Accepts film speeds from ASA 25 to ASA 160 keyed automatically.
- Total control-center SLR viewfinder with central split-image rangefinder, manual setting signal, film-run signal, over/underexposure warning signal, battery



check signal and film-end warning indicator.

- Filter switch controls internal conversion filter for proper color balance indoors and outdoors.
- Electromagnetic shutter release is vibrationless.
- Electronic flash synchronization via PC terminal for time-lapse or special-effects filming.
- Swing-away handgrip for fast, easy tripod mounting; has wrist strap for safe carrying.
- Accessory input socket accepts remote control cords, wireless

remote units and supplementary timing devices.

- Film supply window shows how much unexposed film remains.
- Film load window shows whether or not camera is loaded, type of film in camera.
- Finder eyepiece adjustable to user's eyesight.
- Lens mount threaded to accept 46mm diameter filters.
- Rubber lens shade shields lens from stray light, protects it from damage and folds for convenient storage.

XL-401 Accessories

Soft Shoulder Case

Lightweight carrying case protects camera while carrying.

Lens Cap

Available as replacement for cap supplied with camera.

Remote Control Cord

Ten-foot cord serves as cable release for electromagnetic shutter release of XL-401. Built-in lock for continuous filming.

Connecting Cord S

Twelve-inch cord connects Intervalometers P and S and Wireless Remote Control Unit's receiver to XL-401.

Connecting Cord L

Ten-foot cord connects Intervalometers P and S and Wireless Remote Control Unit's receiver to XL-401.

Minolta XL-Sound 84

Minolta's deluxe Super-8 sound movie camera provides for low available-light filming, automatic exposure control, sound-mixing and wireless remote recording capability, 8-to-1 power zooming and macro focusing.

Operating and Handling Features

- Accepts Super-8 sound or silent film cartridges for foolproof, drop-in loading. Keys automatically to film speeds from ASA 25 to 160.
- Permits low available-light filming without movie lights.
- 7-56mm f/1.4 Zoom-Macro Rokkor lens provides 8-to-1 wide-angle-to-telephoto ratio.
- Full-range power zooming by rocker switch, plus manual zooming.
- Macro focusing up to front surface of lens controlled by switch on camera body.
- Fully automatic exposure system makes all adjustments for changing light conditions, even while filming. Compensates automatically for zooming, panning, macrophotography or filters.
- Full manual exposure control.
- +1.5 EV backlight adjustment.
- Through-the-lens viewing and focusing, with fast, accurate split-image rangefinder.
- Full-information viewfinder permits monitoring major functions while filming. Has aperture scale, red over/underexposure warning, battery check, safe-run signal and green recording signal.
- One-button operation starts filming and sound recording.
- 18 f.p.s. running speed assures compatibility with Super-8 sound projectors. Also single frame and 24 f.p.s.
- Built-in Type A filter controlled by switch permits shooting indoor color film outdoors.
- Running lock lets the user get into the scene.
- Remote release switch is incorporated into supplied microphone.
- Power for film transport, zooming, auto-exposure system and sound recording is provided by six 1.5 volt AA (penlight) batteries housed in folding hand grip.

Sound Filming Features

- Standard wired microphone provided with camera permits recording up to 11 $\frac{3}{4}$ feet away or up to 26 $\frac{3}{4}$ feet away with an accessory extension cord.
- Monitor earphone permits user to hear sound before and during filming/recording.
- Automatic gain control (AGC) evens out varying sound levels.



- Audio gain switch with low and normal positions adjusts sensitivity to suppress undesirable background noise.
- Run signal on front of camera shows subjects when they are being filmed.
- Wireless remote recording capability. Accepts FM receiver accessory to permit recording of sound without wires from up to 50 feet away.
- Auxiliary sound capability. Accessory

FM wireless receiver permits recording sound from FM radio broadcast. Auxiliary input accessory permits plugging in a separate sound source such as phonograph or tape recorder.

- Sound-mixing capability. Two audio sources may be mixed on the track by means of the auxiliary input accessory.
- Accepts all Minolta sound system accessories. See catalog page F8 for details.

Minolta XL-Sound 64

A full-featured, low-light Super-8 sound movie camera with sound-mixing and wireless remote recording capability, automatic exposure control, 6-to-1 power zooming and macro focusing.

Operating and Handling Features

- Accepts Super-8 sound or silent film cartridges for foolproof, drop-in loading. Keys automatically to film speeds from ASA 25 to 160.
- Permits low available-light filming without movie lights.
- 8-48mm f/1.4 Zoom-Macro Rokkor lens provides 6-to-1 wide-angle-to-telephoto ratio.
- Full-range power zooming by rocker switch, plus manual zooming.
- Macro focusing up to front surface of lens controlled by switch on camera body.
- Fully automatic exposure system makes all adjustments for changing light conditions, even while filming. Compensates automatically for zooming, panning, macrophotography or filters.
- Full manual exposure control.
- +1.5 EV backlight adjustments.
- Through-the-lens viewing and focusing, with fast, accurate split-image rangefinder.
- Full-information viewfinder permits monitoring major functions while filming. Has aperture scale, red over/underexposure warning, battery check, safe-run signal and green recording signal.
- One-button operation starts filming and sound recording.
- 18 f.p.s. running speed assures compatibility with Super-8 sound projectors. Single frame silent operation.
- Built-in Type A filter controlled by switch permits shooting indoor color film outdoors.
- Running lock lets the user get into the scene.
- Remote release switch is incorporated into supplied microphone.
- Power for film transport, zooming, auto-exposure system and sound recording is provided by six 1.5 volt AA (penlight) batteries housed in folding hand grip.



Sound Filming Features

- Standard wired microphone provided with camera permits recording up to 11¾ feet away or up to 26¾ feet away with an accessory extension cord.
- Monitor earphone permits user to hear sound before and during filming/recording.
- Automatic gain control (AGC) evens out varying sound levels.
- Audio gain switch with low and normal positions adjusts sensitivity to suppress undesirable background noise.
- Run signal on front of camera shows subjects when they are being filmed.
- Wireless remote recording capability. Accepts FM receiver accessory to permit recording of sound without wires from up to 50 feet away.
- Auxiliary sound capability. Accessory FM wireless receiver permits recording sound from FM radio broadcast. Auxiliary input accessory permits plugging in a separate sound source such as phonograph or tape recorder.
- Sound-mixing capability. Two audio sources may be mixed on the track by means of the auxiliary input accessory.
- Accepts all Minolta sound system accessories. See catalog page F8 for details.

Minolta XL-Sound 42

An economical low-light Super-8 sound movie camera with sound-mixing and wireless remote recording capability, automatic exposure control and 4-to-1 power zooming.

Operating and Handling Features

- Accepts Super-8 sound or silent film cartridges for foolproof, drop-in loading. Keys automatically to film speeds from ASA 25 to 160.
- Permits low available-light filming without movie lights.
- Fast 8.5-34mm f/1.2 Zoom-Macro Rokkor lens provides 4-to-1 wide-angle-to-telephoto ratio.
- Fully automatic exposure system makes all adjustments for changing light conditions, even while filming. Compensates automatically for zooming and panning.
- Full manual exposure control.
- +1.5 EV backlight adjustment.
- Through-the-lens viewing and focusing with fast, accurate split-image rangefinder.
- Full-information viewfinder permits monitoring major functions while filming. Has aperture scale, red over/underexposure warning, battery check, safe-run signal and green recording signal.
- One-button operation starts filming and sound recording.
- 18 f.p.s. running speed assures compatibility with Super-8 sound projectors. Single frame silent operation.
- Built-in Type A filter controlled by switch permits shooting indoor color film outdoors.
- Running lock lets the user get into the scene.
- Remote release switch is incorporated into supplied microphone.
- Power for film transport, zooming, auto-exposure system and sound recording is provided by six 1.5 volt AA (penlight) batteries housed in folding handgrip.



Sound Filming Features

- Standard wired microphone provided with camera permits recording up to 11 $\frac{3}{4}$ feet away or up to 26 $\frac{3}{4}$ feet away with an accessory extension cord.
- Monitor earphone permits user to hear sound before and during filming/recording.
- Automatic gain control (AGC) evens out varying sound levels.
- Audio gain switch with low and normal positions adjusts sensitivity to suppress undesirable background noise.
- Run signal on front of camera shows subjects when they are being filmed.
- Wireless remote recording capability. Accepts FM receiver accessory to permit recording of sound without wires from up to 50 feet away.
- Auxiliary sound capability. Accessory FM wireless receiver permits recording sound from FM radio broadcast. Auxiliary input accessory permits plugging in a separate sound source such as phonograph or tape recorder.
- Sound-mixing capability. Two audio sources may be mixed on the track by means of the auxiliary input accessory.
- Accepts all Minolta sound system accessories. See catalog page F8 for details.

Accessories for Minolta XL Sound Movie Cameras



FM Wireless Receiver Kit

Compact FM receiver mounts on side of camera. Picks up signal from wireless mike up to 50 feet away or from FM radio broadcast. Automatically feeds signal to recording head in camera. Kit includes FM receiver, antenna and wireless microphone with on/off switch.



Zoom Microphone

A professional-quality microphone that can be used two ways. It attaches to the camera and extends 2 feet toward the subject for better sound pick-up. Or it can be used as a hand-held microphone with the accessory extension cord.



Shoulder Case

A flexible case that holds a Minolta XL-Sound 64 or 42 camera, standard microphone, monitor earphone, extra film.

Shoulder Case II

The Minolta XL-Sound 84 camera fits into this flexible case along with standard microphone, monitor earphone, and extra film. (Not shown.)

Microphone Extension Cord

Extends the working range of the standard or zoom mike by up to 15 feet (Not shown.)



External Battery Pack

Permits keeping battery cartridge in a pocket to keep batteries warm during operation in low temperatures.



Boom Microphone

A high-quality directional condenser microphone complete with windscreen. Excellent for following subject sound from the camera position.

Minolta Sound 7000

A high-quality projector for Super-8 and Single-8 magnetic-sound and silent films, with sound-on-sound/dubbing capability, Zoom Rokkor lens and automatic threading.

- Easy, automatic reel-to-reel threading.
- Projects Super-8 and Single-8 magnetic-sound and silent movie film.
- Sharp 15-25mm f/1.3 P. Zoom Rokkor lens for bright, crisp images.
- Advanced, built-in audio capabilities for:
 - Adding sound to silent films that have been magnetically-striped.
 - Adding music, voice or sound effects to sound films.
- Automatic or manual sound-level recording control.
- Illuminated recording level meter.
- Recording key with safety release.
- Single knob controls sound-on-sound/dubbing recording, mixing, sound fade-in or fade-out and erasing.
- Volume-control knob regulates sound level during projection and during manual-control recording.
- Jacks for low-impedance monitor/auxiliary output, input for radio, phono or other audio sources, DIN combination input/output for audio sources, low-impedance microphone input and extension-speaker output.
- Amplifier with 2 integrated circuits, 7 silicon transistors and 5 silicon diodes; 2-watt output to built-in 4-inch, 8-ohm speaker, and 4-watt output (at 8 ohms) to extension-speaker jack.
- Attached leader trimmer is used to trim film for reliable feeding through projector's automatic threading system.
- Reel capacity is 600 ft. of Super-8 film or 900 ft. of Single-8, for up to 60 minutes of uninterrupted sound or silent projection.



- Brilliant 12-volt, 100-watt halogen lamp with built-in dichroic reflector for bright projection and consistent color quality.
- Adjustable framing for clean, professional-looking projection.
- Minolta Sound 7000 operates on 117-volt 50/60-cycle a.c. line power.
- Sleek, modern styling and clearly labeled controls for easy operation.
- Compact design measures only 13 1/8 x 11 1/4 x 7 1/16 in. (without reels and with arm folded) for convenient storage.

Minolta Sound 7000 Accessories

Automatic Take-Up Reel

Nine-inch reel (supplied) engages film automatically and accepts up to 600 ft. of Super-8 or 900 ft. of Single-8 stock.

Microphone and Stand

Dynamic 400-ohm microphone and stand (supplied) permit recording through projector's audio system.

Monitor Earphone

An 8-ohm magnetic earphone (supplied) permits monitoring sound as it is recorded through projector's audio system.

Gate-Cleaning Brush

Soft brush (supplied) is used to clean film gate periodically to insure smooth, clean film transport.

Dust Cover

Dust cover (supplied) keeps projector clean when not in use.

Viewer II

This handy optional accessory attaches to the Minolta Sound 7000 for daylight previewing or editing of films. It permits viewing films conveniently without having to darken the room or set up a screen. It is compact, easy to use and provides a bright, clear viewing image.