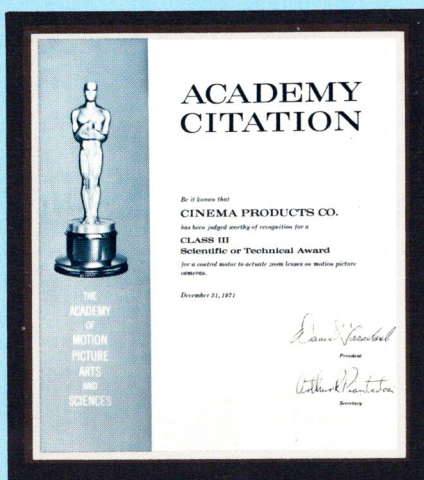




J-4 "Joy Stick" ZOOM control

For the *ultimate* in precision zoom control—Cinema Products' Academy Award-winning J-4! The most critical professionals in Hollywood have tested, and accepted it as the standard in zoom controls. High reliability combined with easy, uncomplicated operation sets it apart and ahead of anything available. Its thumb-activated "Joy Stick" zoom control fits comfortably into the palm of your hand. With the J-4 "Joy Stick" you always know in which direction you're zooming, regardless of your hand position. A true servo feedback system provides constant speed through full zoom over a wide speed range, from 1½ seconds through 4½ minutes duration! The exclusive "Joy Stick" control also provides *gradual* start/stop from zero to the preset maximum desired speed. Exceptionally smooth and silent in operation, the J-4 zoom control is ideal for all studio and location filming.



J-4 Zoom Control, with zoom motor, compact zoom speed control box (with built-in rechargeable nickel cadmium battery), and "Joy Stick." J-4 Zoom Control brackets and gears are available to fit all zoom lenses and all 35mm and 16mm cameras.



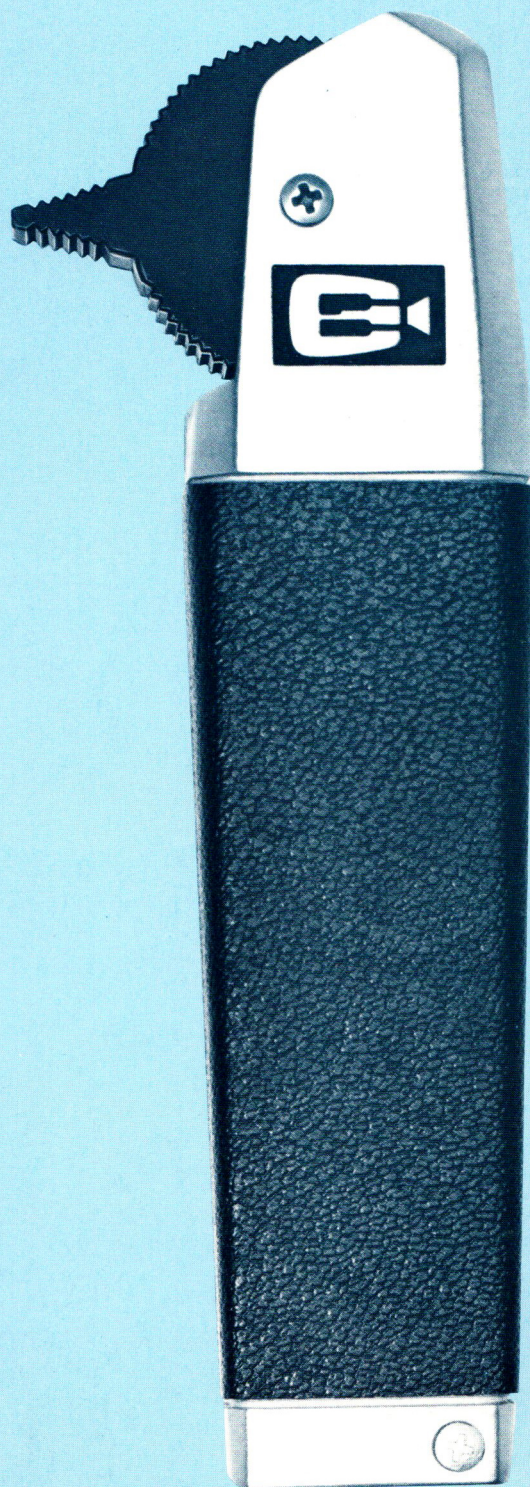
CP-16/A
Camera

**Ask your
professional dealer
for a demonstration.**

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Technology In The Service Of Creativity

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THE "JOY STICK" CONCEPT

The "Joy Stick" control concept is a Cinema Products exclusive. No switches! No knobs! No push-buttons! Ideally suited for use with hand-held cameras, the J-4 "Joy Stick" hand control can also be taped to the pan handle for maximum convenience in tripod operation. Finger-tip control permits the operator to "feather the zoom" through the J-4 Zoom Control gradual start/stop system. The compact and sculptured J-4 hand control provides continuous "Joy Stick" speed control from zero to the preset desired maximum zoom speed... in both directions and under thumb control. Zoom speed in either direction **increases** proportionately to the position of the "Joy Stick" thumb control off center... the **further** the thumb control off center, the **faster** the zoom.



THE J-4 ZOOM MOTOR

Smooth Silent Zooms At Any Speed

The J-4 zoom motor employed in this system delivers full maximum torque at all speeds, thus avoiding inertial irregularities due to the torque demand of the lens. The smooth jerk-free zooms delivered by the motor are due to the servo feedback systems. Signals fed back from the generator are compared to the desired speed setting of the rate knob and "Joy Stick" combination. The solid state amplifier measures any error between the two and amplifies it so as to supply sufficient torque to the motor for every normal load condition. Time span for a full zoom is from 1½ seconds to 4½ minutes. The J-4 zoom control meets **sound stage** requirements for silence at all zoom speeds of 5 seconds or slower for full zoom.



SPECIFICATIONS J-4 ZOOM CONTROL

- Extremely silent and powerful zoom motor (supplied with eccentric adjustment and clamp bracket). So quiet, the motor can be used without any shrouding.
- Zoom speed range: From 1½ seconds through 4½ minutes.
- Specially designed brackets provide valuable lens support, as well as zoom motor support.
- Compact control box (with built-in rechargeable 16 volt nickel cadmium battery).
- Battery trickle charger (specify either 120 v.a.c., 50/60 Hz model or 240 v.a.c., 50/60 Hz model). Fully charged in 14 hours. More than enough available power from a fully charged unit to meet the most stringent zoom requirements during a day's shooting schedule.
- Auxiliary power cable. (If, for any reason, the built-in battery does not have sufficient power to operate normally, the auxiliary power cable can be plugged into any standard 16 volt Arri-type battery unit.)

J-4 "JOY STICK" ZOOM CONTROL CAMERA & ZOOM LENS BRACKETRY COMBINATIONS

35mm CAMERAS

- CINEMA PRODUCTS XR35 Studio Camera
- MITCHELL BNC/NC Cameras
- MITCHELL S35R/Mark II Camera
- ARRIFLEX 35mm Cameras
- ECLAIR CM-3B Camera, Etc.

35mm ZOOM LENSES

- CANON K-35 25-120mm Macrozoom Lens
- ANGÉNIEUX 25-250mm Zoom Lens
- ANGÉNIEUX 20-120mm Zoom Lens
- COOKE-VAROTAL 20-120mm Zoom Lens, Etc.

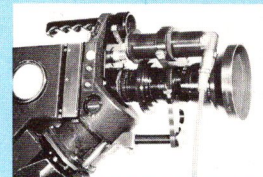
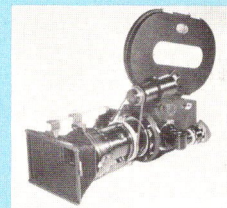
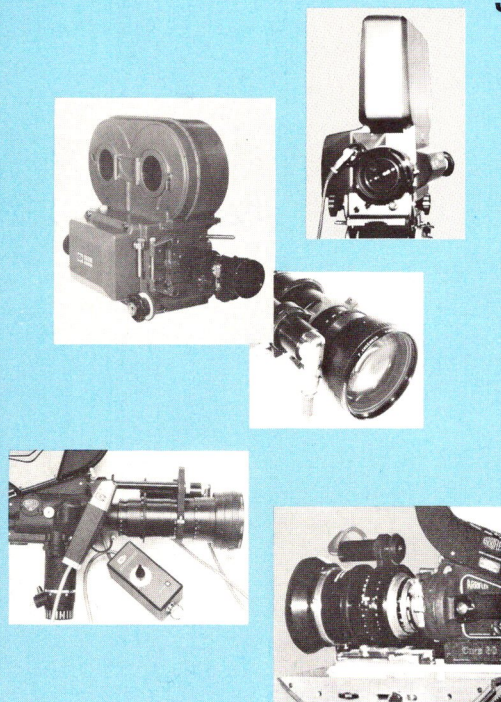
16mm CAMERAS

- ARRIFLEX 16mm Cameras (S, M & BL Models)
- CINEMA PRODUCTS 16mm Cameras (CP-16 & CP-16/A Models)
- ECLAIR NPR & ACL Cameras
- BEAULIEU R16B Cameras
- BOLEX, Etc.

16mm ZOOM LENSES

- CANON 12-120mm Macrozoom Lens*
- ANGÉNIEUX 12-120mm Zoom Lens
- ANGÉNIEUX 12-240mm Zoom Lens
- ANGÉNIEUX 9.5-95mm Zoom Lens
- ZEISS 10-100mm Zoom Lens*, Etc.

*For use with reflex cameras only.



NOTE: J-4 "Joy Stick" Zoom Control **brackets and gears** are available from stock for **all** zoom lenses and **all** 35mm and 16mm cameras. Please indicate your specific requirements.

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