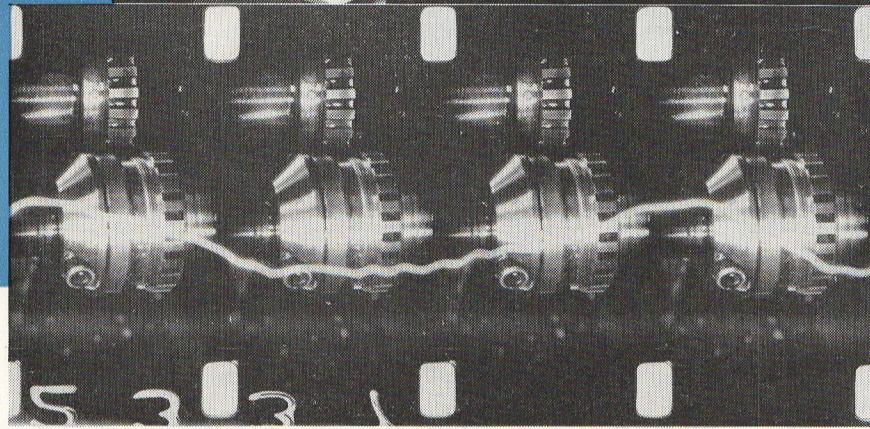
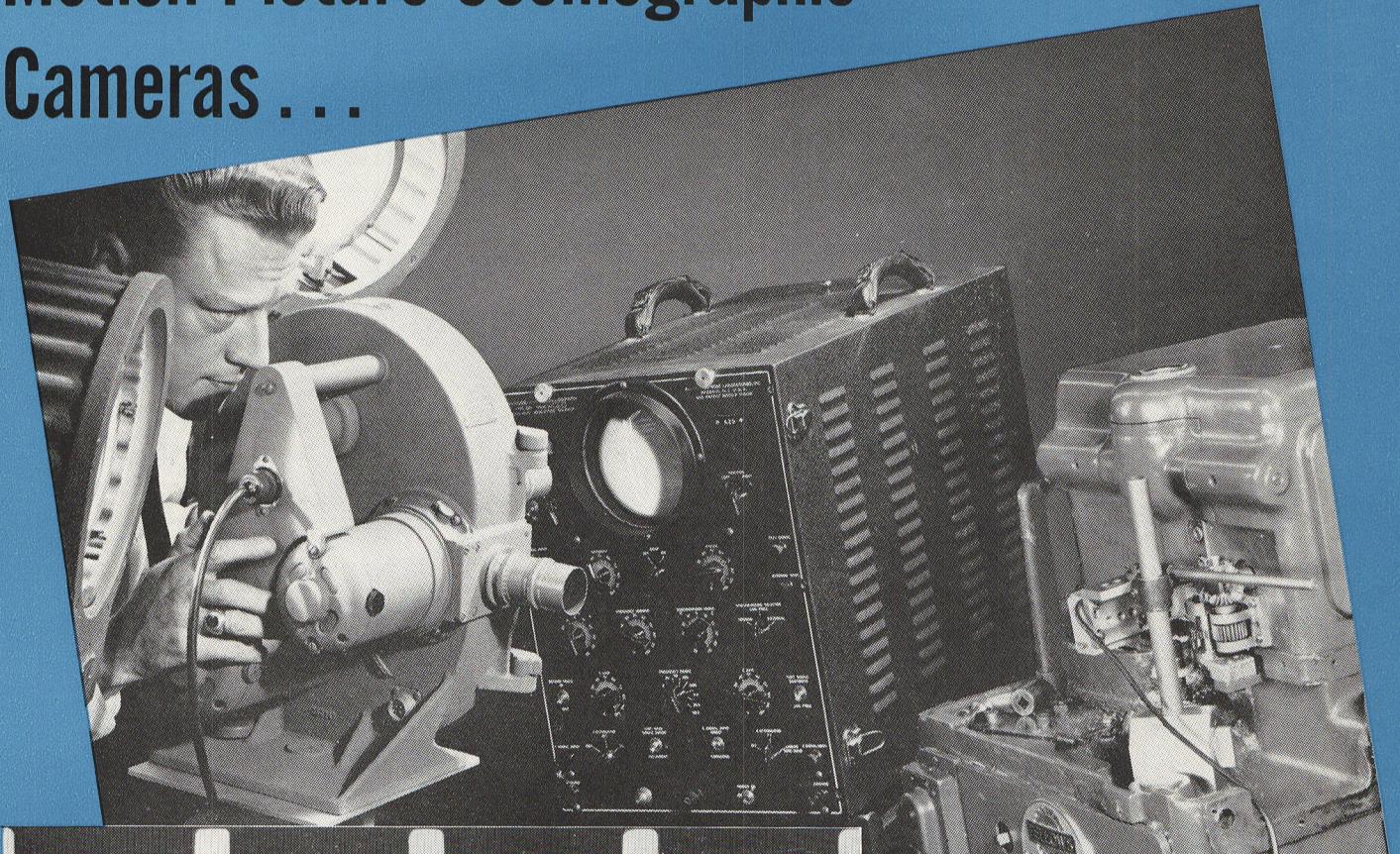
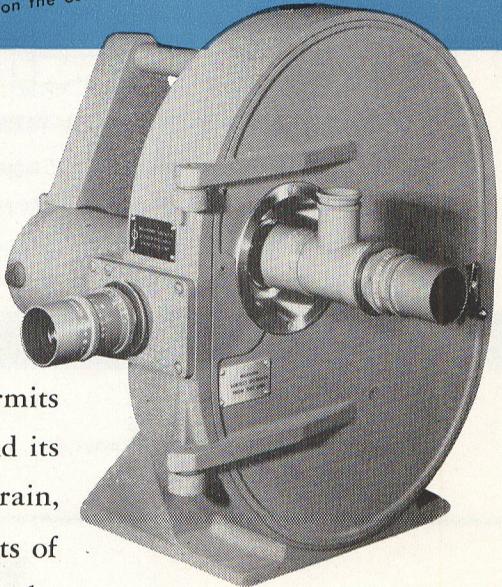


WOLLENSAK **FASTAX** High-Speed Motion-Picture-Oscillographic Cameras . . .



Recording photographically $1/2$ " vertical stroke of a Fellows Gear Cutter. Horizontal movement of $.005$ " is registered from a signal generated by a metrisite, amplified and placed on the oscilloscope screen. Cutter cycle: 700 per minute.



Simultaneous Recording of Oscilloscopic Traces and Visual Phenomena

The optical and mechanical design of WF-14 and WF-15 cameras permits the simultaneous high-speed photography of a mechanical action and its related electrical characteristics. Non-electrical problems such as strain, vibration, pressure, acceleration by amplification of small increments of mechanical movement, can also be studied when photographed on the screen of a cathode-ray oscilloscope.

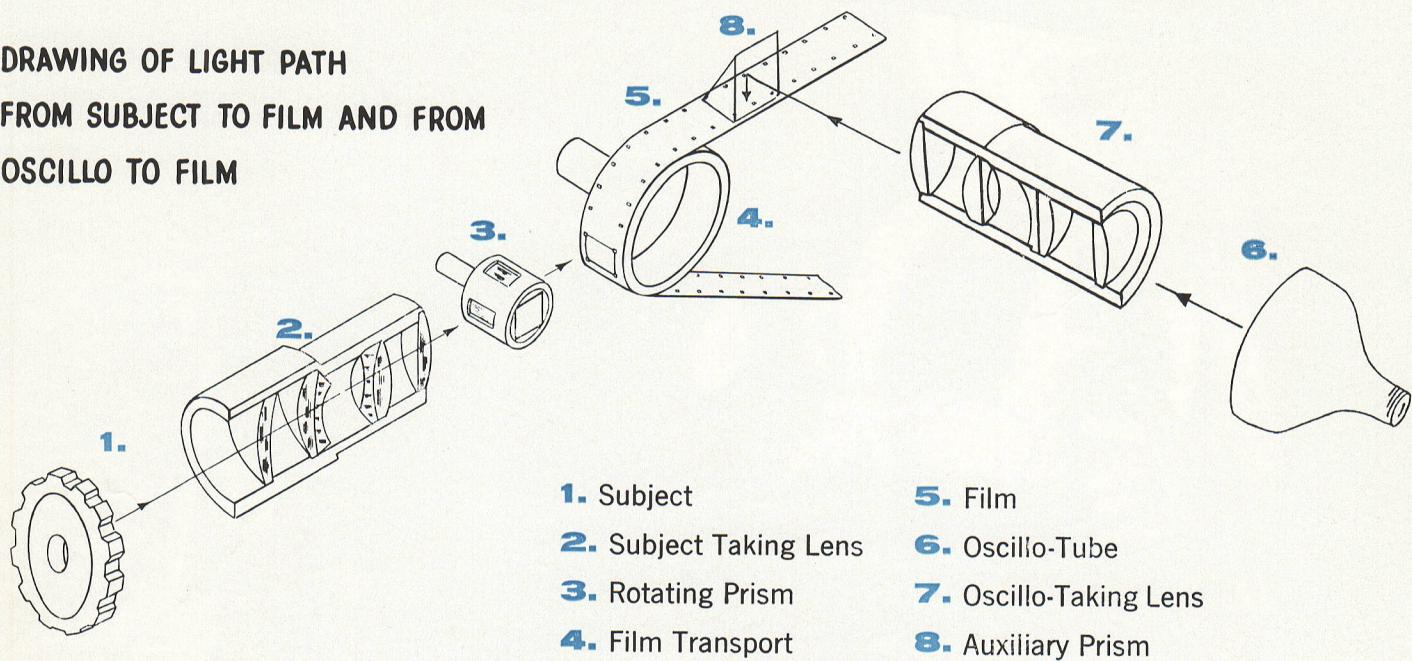
HOW CAMERA WORKS

Dual photography is not difficult. The visual action is photographed in the usual manner through the front or "taking" lens. The side lens of the FASTAX High-Speed camera is focused on the oscilloscopic image. By means of an auxiliary prism, exposure of the oscilloscope trace is continuously superimposed over the regular image on

the emulsion side of the film, where it is available for study and measurement.

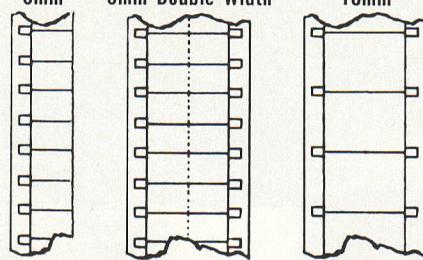
FASTAX High-Speed Motion Picture-Oscillographic cameras can be used either for making high-speed motion pictures, or [] for recording oscilloscope traces, or both.

DRAWING OF LIGHT PATH FROM SUBJECT TO FILM AND FROM OSCILLO TO FILM



TECHNICAL SPECIFICATIONS

Frame Size:



POWER REQUIREMENTS FOR MINIMUM-MAXIMUM SPEEDS:

Recommended Minimum 16 volts DC, 2.5 Amperes Approximately
Recommended Maximum 28 volts DC, 3.3 Amperes Approximately
Recommended Minimum 35 volts AC, 2.5 Amperes Approximately
Recommended Maximum 160 volts AC, 1.5 Amperes Approximately

Film Capacity: Up to 400 ft. daylight spools
1,300-16,000

Camera Speeds: WF-15 [] pictures per second
WF-14 [] 650-8,000 pictures per second

Motors: 110 volt AC-DC

Lenses: Taking lens 50mm f/2 Fastax Raptar
Oscillo lens 35mm f/2 Fastax Raptar
Other focal length lenses are available on request

Viewfinder: Reflex-type, through the lens

Cut-off Switch: Automatic shut-off on completion of film transport

Timing Light: To record time interval on edge of film

* (For motion picture only)

PHYSICAL CHARACTERISTICS

Weight: 38 pounds

Weight in shipping case: 75 pounds

Size: 14" x 17" x 13"

Color: FASTAX Gray

Lens Mount: Bayonet Type

Tripod Mount: 3/8" x 16 NC

WOLLENSAK
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