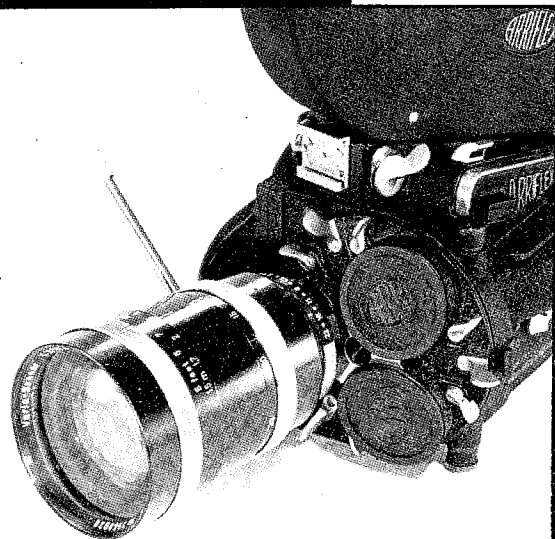


ARRIFLEX PRESENTS...

NEW DIMENSIONS TO THE VERSATILE ARRI SYSTEM

Technical
Data Sheet
A-11-4-68

for
ARRIFLEX® 16
cameras



ZEISS VARIO-SONNAR

12.5-75mm, f/2

AVAILABLE IN GENUINE ARRI MOUNTS FOR I6S AND I6M
CAMERAS AND WITH SPECIAL LENS HOUSING FOR I6BL

The Zeiss 12.5mm - 75mm Vario-Sonnar is a product of the most advanced techniques in lens making; from its conception, through its development, and reflected in its manufacture. The result is a zoom lens so fine it challenges the performance characteristics of the best prime lenses. The Vario-Sonnar lens formula was computer-calculated and incorporates 15 elements, grouped into 12 components. Aberrations are so well corrected that image quality is constant throughout the entire zoom range.

A NEW VARIFOCAI TRANSPORT

The mechanism of the new Zeiss Vario-Sonnar employs a radically different zoom movement, especially designed and developed for the lens. In most zoom lenses, the moving component is large in diameter and relatively short - a size ratio that is mechanically unfavorable, and often the cylindrical guides cannot control the movement with the necessary precision. In the new Vario-Sonnar, the moving component has precisely machined teeth which fit exactly into grooves cut into the guide element. Guidance is then no longer dependent on the ratio of diameter to length, but on the more favorable ratio of tooth width to tooth height. Consequently, alignment of moving components with respect to the stationary elements is very precise and more positively maintained.

NEW MANUFACTURING QUALITY CONTROL

To ensure that lens performance matches design specifications, Zeiss instituted a quality-control procedure of unusual thoroughness. In the final phase, each completed lens is automatically tested and evaluated electronically by means of instruments developed especially for the purpose.

The electronic measuring device compares the measured values of the test, with the design standards and tolerances stored in its memory. The instrument eliminates subjective influences and human error, to provide thoroughness and consistency that far surpasses ordinary inspection methods.

This combination of superior optical and mechanical design, special manufacture, and quality control results in a zoom lens that is truly "universal"... a valid replacement for an entire set of prime lenses from wide-angle to telephoto.

The Zeiss Vario-Sonnar for Arriflex I6S/I6M cameras requires no cradle or special support. For the Arriflex I6BL, the new lens is available in a special Arri housing.

SPECIFICATIONS

Zoom Range:	12.5mm-75mm (6:1) Continuously variable
Relative Apertures:	F2/T2.2 - F16/T22
Field Angles:	53 degrees at 12.5mm - 10 degrees at 75mm (at infinity)
Lens Mount:	Standard Arri for I6S/I6M, Bayonet Arri for I6BL
Operation:	External Zoom handle
Distance Scale:	Feet and Meters
Minimum Focusing:	Five feet
Lens length:	5-1/4"
Lens Diameter:	3-1/4"
Weight:	44 oz. (52 oz. with I6BL lens housing)

CATALOG NUMBERS

311 147	Zeiss 12.5mm-75mm F2/T2.2 Vario-Sonnar for Arriflex I6S, I6S-GS, I6M
333 077	Filter adapter ring 77M9 for Series 9 filters
311 148	Zeiss 12.5mm-75mm F2/T2.2 Vario - Sonnar in special housing for Arriflex I6BL. Includes 3" x 3" filter holder (Cat. 333 510).
339 001	Matte Box for I6BL Vario-Sonnar