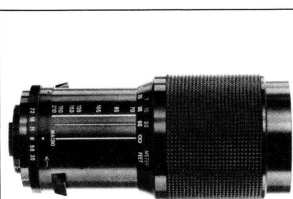
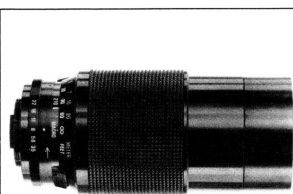


Ponder & Best, Inc.

Vivitar Series 1 70-210mm f3.5 Macro Focusing Auto Zoom Lens



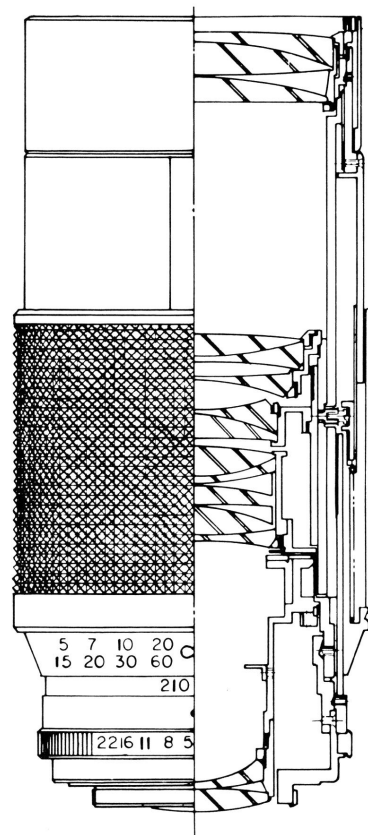
Minimum focal length in Zoom – 70mm. Maximum magnification in Macro – 1:2.2



Maximum focal length in Zoom – 210mm. Position to change from Macro-Zoom operation

Vivitar Series

1



The Vivitar Series 1 70mm-210mm f3.5 is the first automatic zoom lens for 35mm SLR cameras that also provides macro focusing capability. The unique mechanical design permits both zooming and focusing with the same control. Although the lens has a larger maximum aperture than other zoom lenses, it is surprisingly short and light. Most significant is the high performance, accomplished by a novel approach to zoom optical design. This caliber of performance was not available before in zoom lenses and compares favorably to the finest original equipment telephoto lenses. The unique combination of a macro focusing capability with a 3 to 1 telephoto zoom makes this lens a remarkable all-purpose lens, particularly for the photographer who wants versatility without compromise in performance.

Optical Specifications:

Construction:	15 elements, 10 groups
Effective focal length:	70-210mm
Back focal length:	40mm
Angle of acceptance:	11-32 degrees
Minimum focus distance:	6'6½" from focal plane (normal)
	5'10½" from front element (normal)
	11½" from focal plane (macro)
	3" from front element (macro)

Max. magnification: 1:2.2 macro focusing mode

Mechanical Specifications:

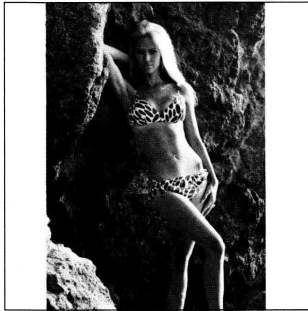
Accessory size:	67mm
Weight:	31 ounces
Overall length:	6½ inches
Track length:	¾ inches
Maximum barrel diameter:	3-1/16 inches
Aperture range:	f3.5-22
	f3.5-16*
Lens hood:	Use Vivitar 67mm collapsible rubber lens hood

*EE coupled lenses only

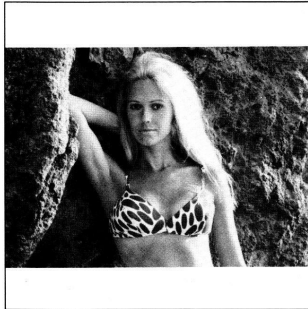
Ponder & Best, Inc.

Vivitar Series 1 70mm-210mm f3.5 Macro Focusing Auto Zoom Lens (Cont.)

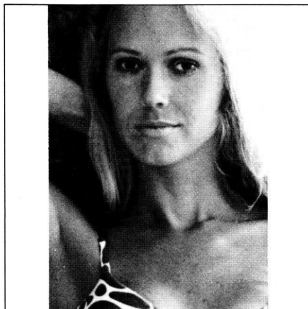
Modulation Transfer Function (MTF) Data



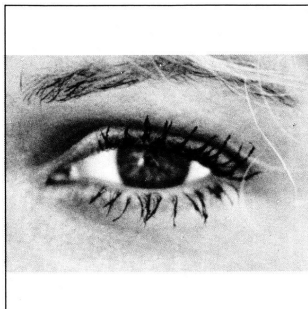
70mm



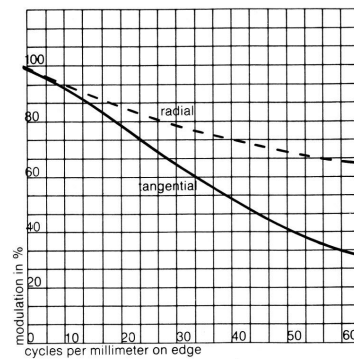
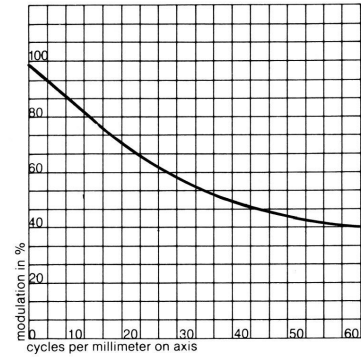
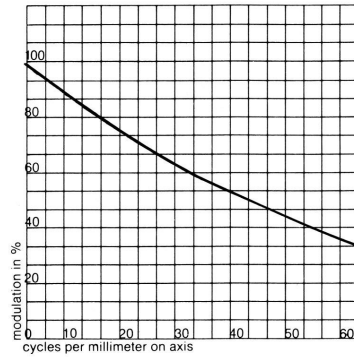
135mm



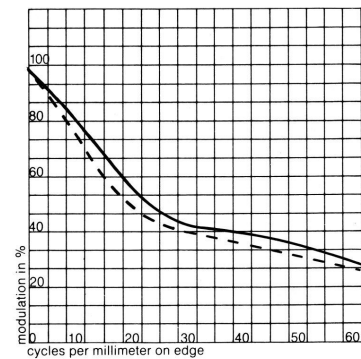
210mm



Macro mode



at 210mm



at 70mm

Ordering Information:

70-210mm f3.5 Vivitar-Universal thread mount
 70-210mm f3.5 Canon FL/FD lens series mount
 70-210mm f3.5 Nikon F, Nikkormat series mount
 70-210mm f3.5 Minolta SRT/SR series mount
 70-210mm f3.5 Konica Autoreflex series mount
 67mm collapsible rubber lens hood
 Lens Case, Vivitar Size D

Stock No. 31-2246
 Stock No. 31-2305
 Stock No. 31-2279
 Stock No. 31-2338
 Stock No. 31-2361
 Stock No. 24-3700
 Stock No. 68-6169