



# ZOOMATAR LENSES

FOR

**LOW LIGHT LEVEL**

\* STILL

\* MOTION  
PICTURE

\* TELEVISION  
CAMERAS

PROVEN PERFORMANCE

+

UNMATCHED SERVICE

 **ZOOMAR, INC.**

55 Sea Cliff Avenue, Glen Cove  
L.I., New York 11542

516/676-1901, 1904

IN CALIFORNIA:

6725 Sunset Boulevard, Hollywood, California 90028

213/465-2789

# THE ZOOMATAR SERIES...

ZOOMATAR 75mm, F/1.3 for  
16mm Motion Picture and Vidicon  
TV Cameras

## Characteristics:

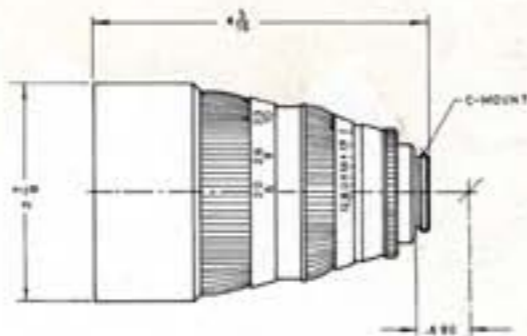
|                                 |                             |
|---------------------------------|-----------------------------|
| Focal Length                    | 75mm                        |
| Relative Aperture               | F/1.3 - F/22                |
| Maximum Coverage<br>Diameter    | 16mm                        |
| Field Angle — 16mm              | 7° 56'                      |
| Vidicon                         | 9° 36'                      |
| Light Transmittance             | 80%                         |
| Flange Focal Length             | .690"                       |
| Clear Aperture<br>Front Element | 56.5mm (2-1/4")             |
| Clear Aperture<br>Rear Element  | 17.5mm (11/16")             |
| Lens Mount                      | "C" Mount                   |
| Minimum Focusing<br>Distance    | 8' to Infinity              |
| Weight                          | 1 lb.                       |
| Length                          | 4-5/16"                     |
| T Stop                          | 1.5                         |
| MTF                             | 85% at 20 li/mm<br>at F/4.0 |
| Extendable Sun Shade            |                             |

ZOOMATAR 180mm, F/1.3 for  
Single Lens Reflex, 16/35mm Motion  
Picture and all TV Cameras

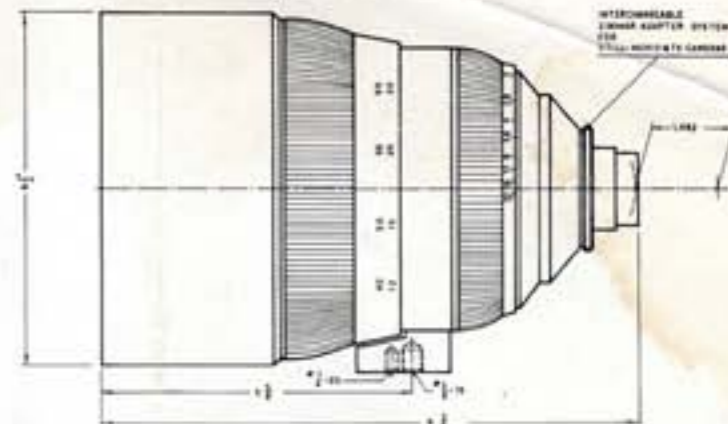
## Characteristics:

|                                 |  |
|---------------------------------|--|
| Focal Length                    | 180mm  |
| Relative Aperture               | F/1.3 - F/22   |
| Maximum Coverage<br>Diameter    | 46mm   |
| Field Angle —<br>Vidicon        | 4° 0"  |
| 16mm                            | 3° 18"   |
| 35mm                            | 7° 38'   |
| double 35mm                     | 11° 26'  |
| Light Transmittance             | 80%  |
| Flange Focal Length             | 1.462 inch   |
| Clear Aperture<br>Front Element | 140mm (5-1/2")   |
| Clear Aperture<br>Rear Element  | 31mm (1-7/32")   |
| Lens Mount                      | Interchangeable<br>Zoomar adapters<br>for SLR-16-35<br>Motion Picture.<br>All TV Cameras |
| Minimum Focusing<br>Distance    | 23' to Infinity  |
| Weight                          | 15 lbs.  |
| Length                          | 9-3/4"   |
| T Stop                          | 1.5  |
| MTF                             | 80% at 20 li/mm<br>at F/4.0  |
| Extendable Sun Shade            |  |

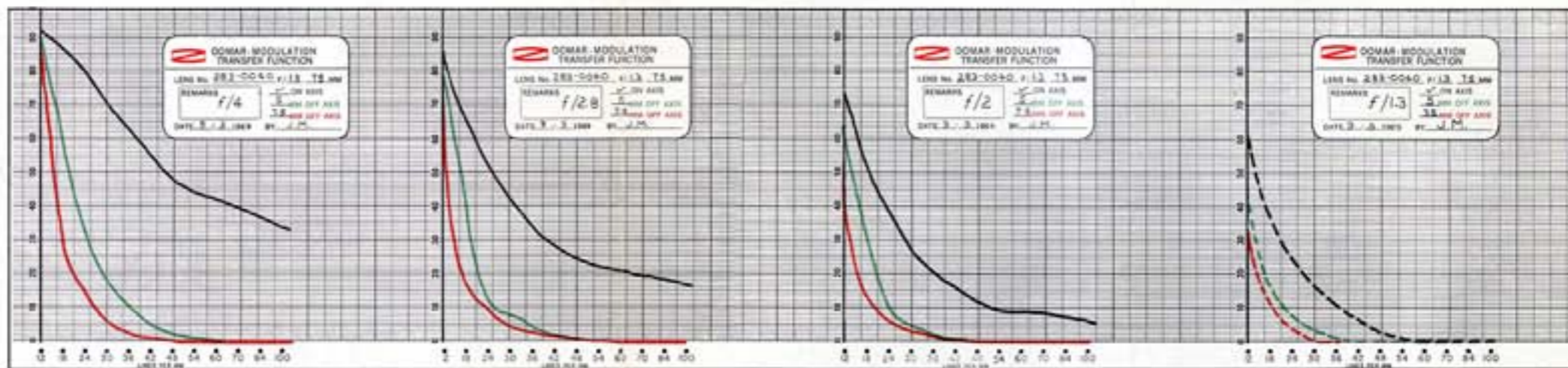
# THE ZOOMATAR 75mm F/1.3



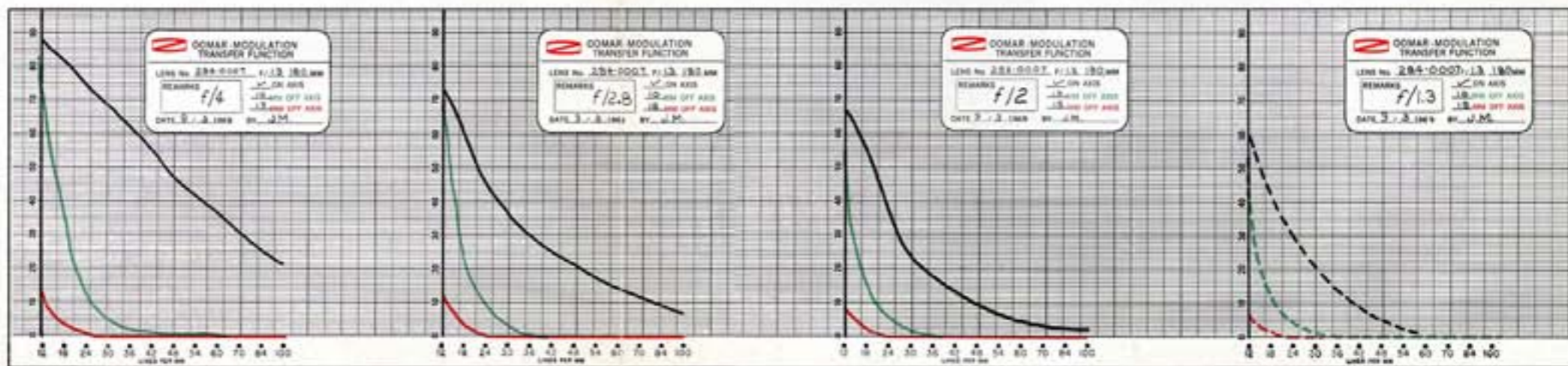
# THE ZOOMATAR 180mm F/1.3



75mm.  
M.T.F.



180mm.  
M.T.F.



## **THE ZOOMAR SERVICE POLICY**

**WITHIN 48 HOURS AFTER RECEIPT BY ZOOMAR**  
ITV lenses sent in for service are put into perfect working order and shipped out. When unusually extensive repairs are required, a replacement lens may be loaned.

## **OTHER ZOOMAR PRODUCTS**

ZOOMAR MTF METER  
REFLECTAR MIRROR OPTICS  
ZOOM LENSES FOR IMAGE ORTHICON,  
PLUMBICON, VIDICON, AND MOTION PICTURE  
CAMERAS (16MM & 35MM)  
2-IN-1 TRACKING SYSTEMS  
TRACKING ZOOMARS  
TRACKING TELESCOPES  
RADAR BORESIGHT SYSTEMS  
ZOOMAR KILARS FOR STILL, TELEVISION  
AND MOTION PICTURE CAMERAS  
THE MACRO-ZOOMAR  
THE ZOOMAR "500" SPORT REFLECTAR  
SEI EXPOSURE PHOTOMETER  
SEI MINILUX LIGHT METER  
OPTICOMETER  
SERVICE COLLIMATOR  
COLORGARD METER  
HTS CAMERA SUPPORT EQUIPMENT

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AUTHORIZED REPRESENTATIVE