

**Lens Specification**

Focal length : 13.00mm ± 5%  
 Back focal : 10.02mm ± 5%  
 Mechanical back : 9.815mm ± 0.3mm at INF.  
 Aperture ratio : F/5.6 ± 5%  
 CCD size : 1/3" CCD (3.6 × 4.8)  
               : 1/2" CCD (4.8 × 6.4)  
               : 2/3" CCD (6.6 × 8.8)

**Angle of view**

Image to object distance = Infinity

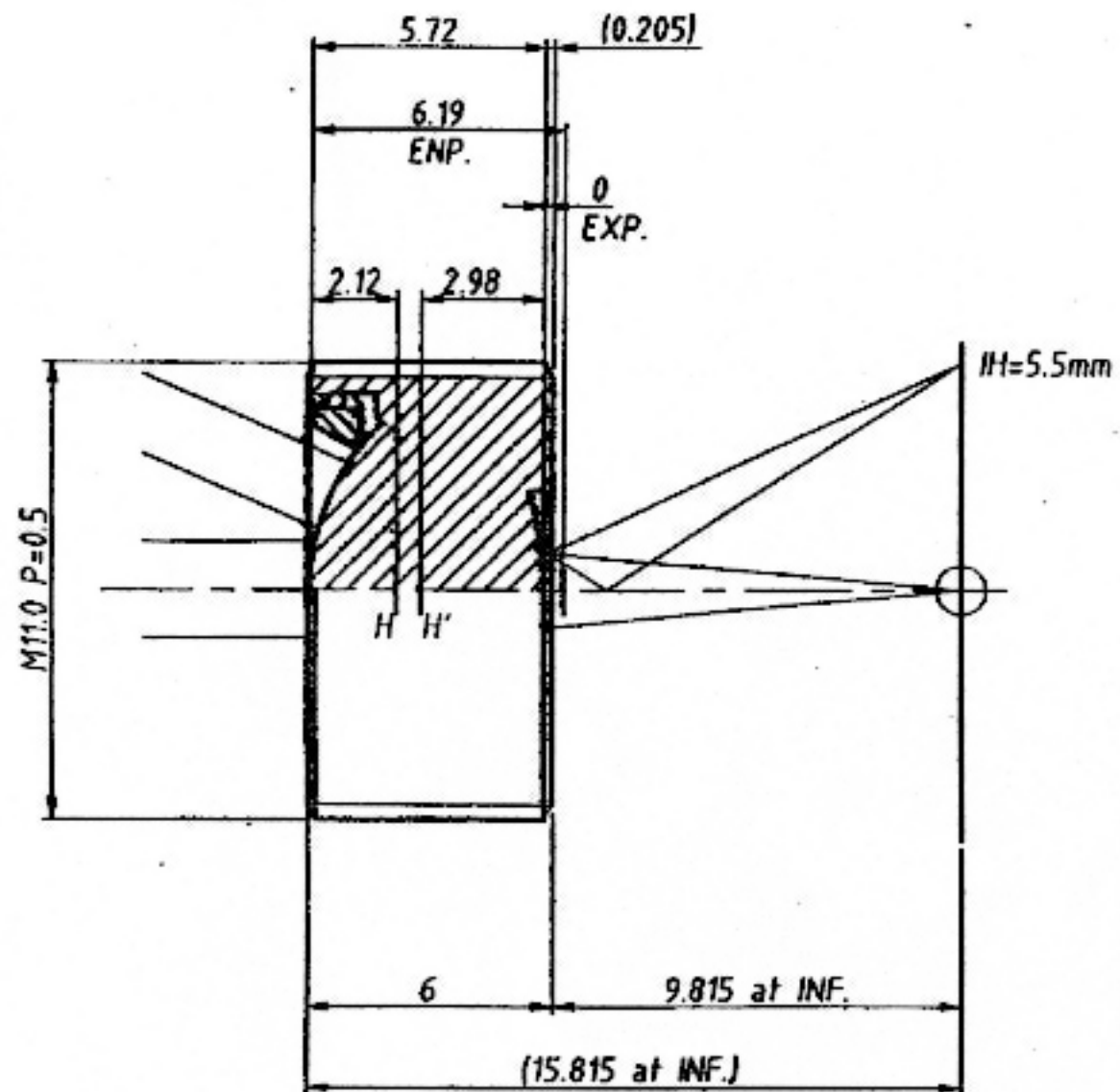
	1/3"	1/2"	2/3"
Diagonal	26.1°	34.4°	46.5°
Horizontal	20.9°	27.7°	37.7°
Vertical	15.8°	20.9°	28.6°

OPT. Distortion : -0.2%   -0.5%   -1.5% (Diagonal)

Aperture of front lens :  $\phi 7.0$

Aperture of rear lens :  $\phi 1.8$

Coating : All surface are  
 antireflection coated.  
 (MgF2 single coat)  
 ( $\lambda = 550\text{nm}$ )



**UNIVERSE KOGAKU (AMERICA), INC.**

116 AUDREY AVENUE, OYSTER BAY, NEW YORK 11771  
 PHONE: (516) 624-2444 FAX: (516) 624-3109

**TITLE**

13mm F/5.6 LENS

**DATE**

9/28/98

**SCALE**

None

**NO.**

UD-56

**DRAWN**

APPROVED