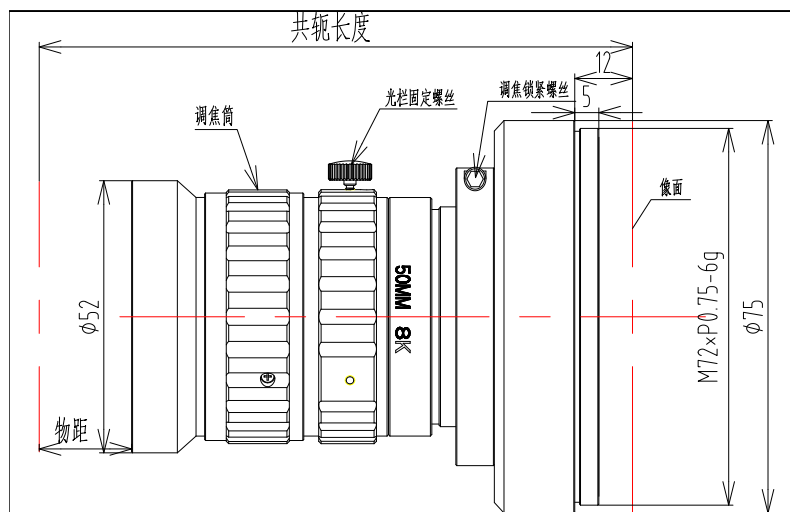


# LS508K-005/4.0 M72 x 0.75



## Technical Specifications

|               |                |
|---------------|----------------|
| Focal Length  | 50mm           |
| FNO           | 4 ~ 22         |
| Image Circle  | 60mm           |
| Magnification | 0.027x ~ 0.07x |
| Trasmission   | 400 ~ 700nm    |
| Mount         | M72 x 0.75     |
| Weight        | 380g           |

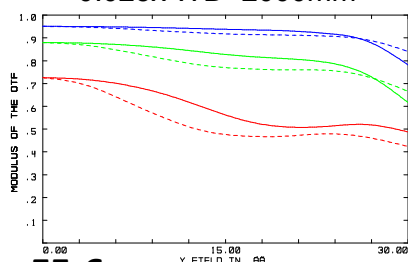
## MTF with reference to image height for visible spectrum

|                             |     |     |     |     |     |
|-----------------------------|-----|-----|-----|-----|-----|
| Wavelength $\lambda$ [nm]:  | 656 | 587 | 546 | 486 | 435 |
| Spectral weighting [%]:     | 15  | 20  | 30  | 25  | 10  |
| Spatial frequency R [1/mm]: | 10  | 20  | 40  |     |     |
| Image circle [mm]:          | 60  |     |     |     |     |

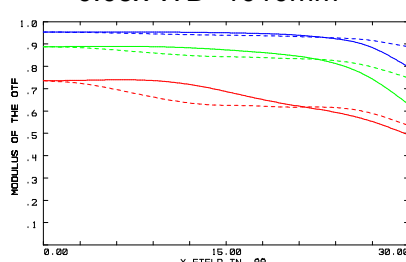
— 10  
— 20  
— 40

### F4.0

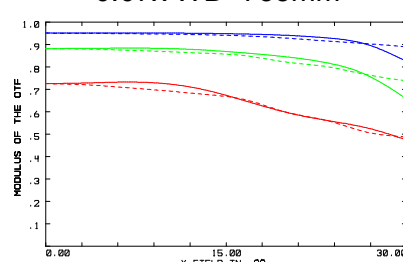
0.025x WD=2000mm



0.05x WD=1010mm

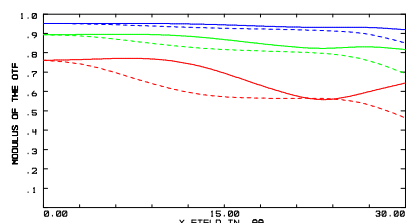


0.07x WD=735mm

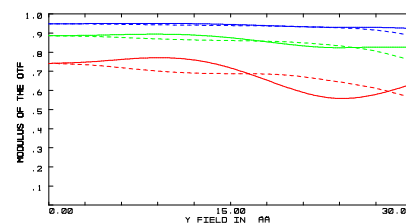


### F5.6

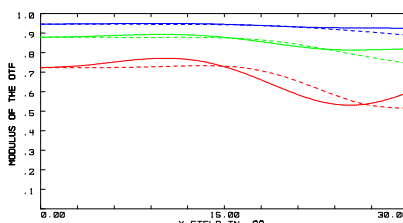
0.025x WD=2000mm



0.05x WD=1010mm

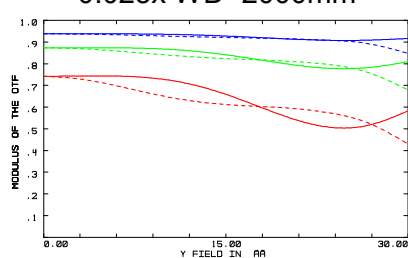


0.07x WD=735mm

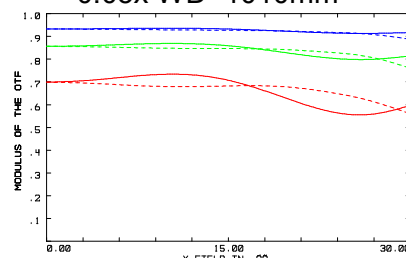


### F8.0

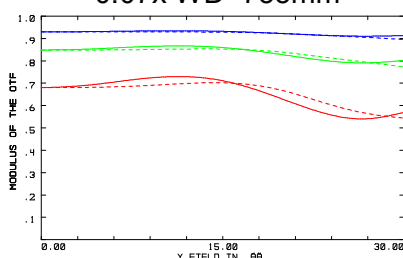
0.025x WD=2000mm



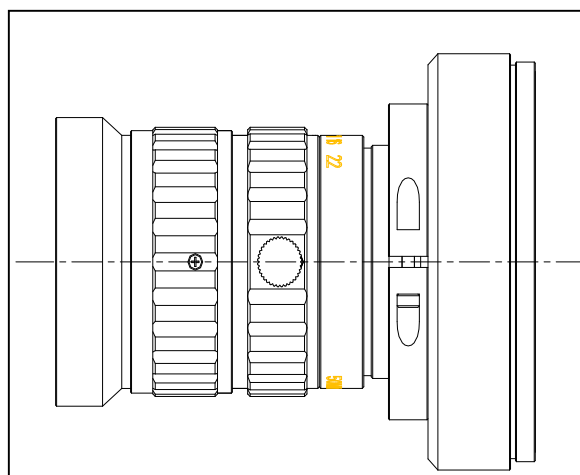
0.05x WD=1010mm



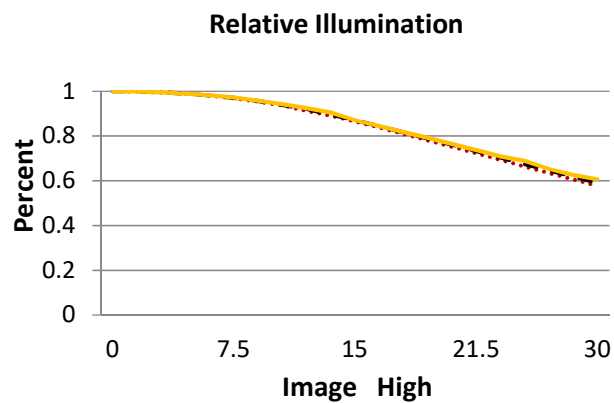
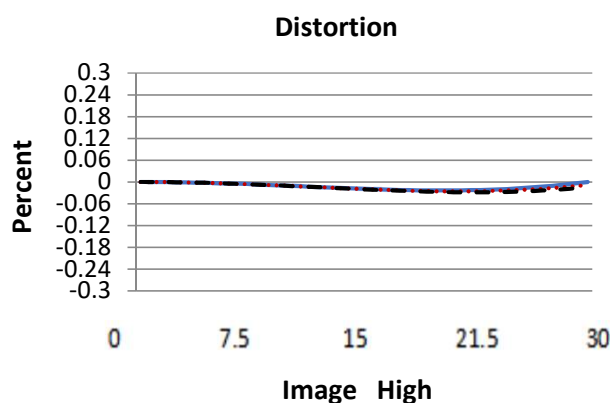
0.07x WD=735mm



# LS508K-005/4.0 M72 x 0.75



..... 0.025x  
 - - - 0.05x  
 ——— 0.07x



| 倍率 (β) | 共轭距 (I/O) | 工作距 (WD) | 镜头长度 (L) | Φ43.27 视场 | Φ57 视场 | Φ60 视场 |
|--------|-----------|----------|----------|-----------|--------|--------|
| 0.025x | 2102      | 2000     | 102      | 1705      | 2246   | 2364   |
| 0.03x  | 1802.2    | 1700     | 102.2    | 1442      | 1900   | 2000   |
| 0.035x | 1562.5    | 1460     | 102.5    | 1236      | 1629   | 1714   |
| 0.04x  | 1382.7    | 1280     | 102.7    | 1082      | 1425   | 1500   |
| 0.045x | 1243      | 1140     | 103      | 962       | 1267   | 1333   |
| 0.05x  | 1113.3    | 1010     | 103.3    | 865       | 1140   | 1200   |
| 0.055x | 1038.5    | 935      | 103.5    | 787       | 1036   | 1091   |
| 0.06x  | 963.7     | 860      | 103.7    | 721       | 950    | 1000   |
| 0.065x | 899       | 795      | 104      | 666       | 877    | 923    |
| 0.07x  | 839.2     | 735      | 104.2    | 615       | 810    | 853    |

## 镜头使用说明

1. 根据物体大小 芯片大小 计算倍率，**倍率** = 芯片宽度/物体长度。计算时候注意留有余量，比如物体尺寸100mm 可以按照110mm计算倍率，具体视情况而定。
2. 将镜头安装到到相机上。
3. 转动**调焦环**调清楚图像，后锁紧调焦固定螺丝。
4. 根据外界光线或者景深要求调节**光阑调节环**到需要位置。缩小光圈也可以使图像更加清晰