# TCCR23080

CORE系列双远心镜头，适用于2/3"探测器，放大倍率0.110 x，C接口

## 参数

| Part number (8) | | TCCR23080 |
|---|---|---|
| 放大 | (x) | 0.110 |
| Image shape dimension (9) | (∅, x mm) | ∅=11.1, x=9.6 |
| Phase adjustment (7) | | Yes |

### 物方视场 (6)

| | | |
|---|---|---|
| 1/3" 探测器(4.8 x 3.6 mm) | (mm × mm) | 43.5 x 32.6 |
| 1/2.5" 探测器(5.70 x 4.28 mm) | (mm × mm) | 51.7 x 38.8 |
| 1/2" 探测器(6.4 x 4.8 mm) | (mm × mm) | 58.0 x 43.5 |
| 1/1.8"探测器(7.13 x 5.37 mm) | (mm × mm) | 64.6 x 48.7 |
| 2/3" - 5 MP探测器(8.45 x 7.07 mm) | (mm × mm) | 76.5 x 64.0 |

### 光学规格

| | | |
|---|---|---|
| 工作距离 (1) | (mm) | 226.7 |
| 工作F值 (2) | | 8 |
| 典型（最大）远心度 (3) | (deg) | < 0.04 (0.08) |
| 典型（最大）畸变 (4) | (%) | < 0.02 (0.10) |
| 景深 (5) | (mm) | 55 |
| CTF @ 70 lp/mm | (%) | > 50 |

### 尺寸

| | | |
|---|---|---|
| 接口 | | C |
| A | (mm) | 119 |
| B | (mm) | 145 |
| C | (mm) | 172 |
| 质量 | (g) | 3029 |

### 兼容产品

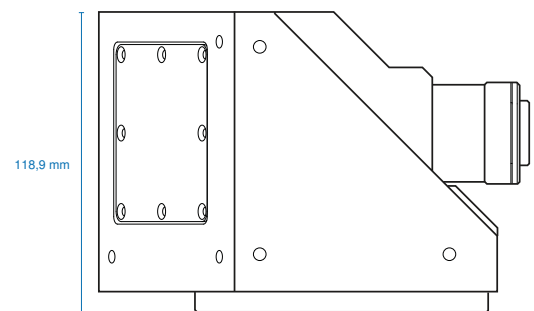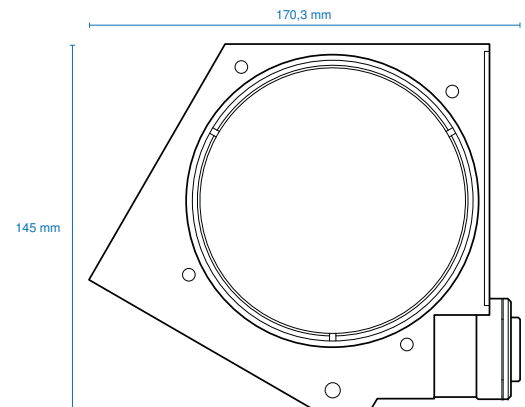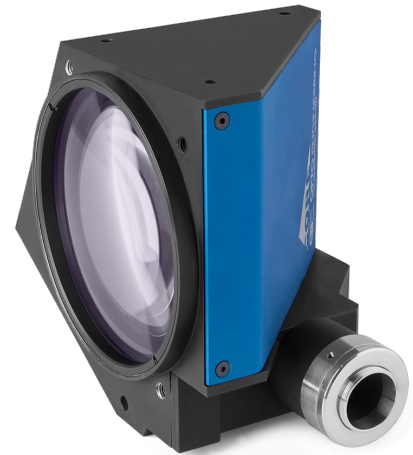LTCLCR080-x, CMHOCR080, CMPTCR080, LTCLHP080-x

## 注释

1. Working distance: distance between the front end of the mechanics and the object. Set this distance within +/- 3% of the nominal value for maximum resolution and minimum distortion.
2. Working F-number (wF/#): the real F-number of a lens when used as a macro. Lenses with smaller apertures can be supplied on request.
3. Maximum slope of chief rays inside the lens: when converted to millirad, it gives the maximum measurement error for any millimeter of object displacement. Typical (average production) values and maximum (guaranteed) values are listed.
4. Percent deviation of the real image compared to an ideal, undistorted image: typical (average production) values and maximum (guaranteed) values are listed.
5. At the borders of the field depth the image can be still used for measurement but, to get a perfectly sharp image, only half of the nominal field depth should be considered. Pixel size used for calculation is 5.5 μm.
6. In case the of vignetting, FOV dimensions are indicated with "∅ = , x= ", where "∅ =" stands for diameter and "x=" indicates the nominal FOV height and length (see **Tech Info** for related drawing).
7. Indicates the availability of an integrated camera phase adjustment feature.
8. Due to the special shape of TCCR120xx it might be necessary to check the mechanical compatibility with your camera.
9. Indicates the dimensions and shape of image, where "∅ =" stands for diameter and "x=" indicates the nominal image height and length (**Tech Info** for related drawing).

### 兼容产品

**LTCLHP 系列**
高性能远心照明器

| | |
|---|---|
| LTCLHP080-R | Telecentric HP illuminator, beam diameter 100 mm, red |
| LTCLHP080-G | Telecentric HP illuminator, beam diameter 100 mm, green |
| LTCLHP080-B | Telecentric HP illuminator, beam diameter 100 mm, blue |
| LTCLHP080-W | Telecentric HP illuminator, beam diameter 100 mm, white |



**LTCLHP CORE 系列**
超紧凑型远心照明器

| | |
|---|---|
| LTCLCR080-R | CORE远心照明器，光束直径100 mm，红色 |
| LTCLCR080-G | CORE远心照明器，光束直径100 mm，绿色 |
| LTCLCR080-W | CORE远心照明器，光束直径100 mm，白色 |



**CMHOCR 系列**
夹持机构 CORE 系列

| | |
|---|---|
| CMHOCR080 | 适用于CORE远心镜头和Ø 80mm照明器的夹持机构 |



**CMPTCR 系列**
安装板CORE系列

| | |
|---|---|
| CMPTCR080 | 设计用于CORE远心镜头和Ø 80mm照明器的机械部件 |