

TC4M004-F

适合于1.2"探测器的 远心镜头,放大倍率:4,00 x, F接口

参数

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|-------|------|-------|
| 放大 | (x) | 4.000 |
| 图像圈 Ø | (mm) | 22.0 |

物体的视野 (8)

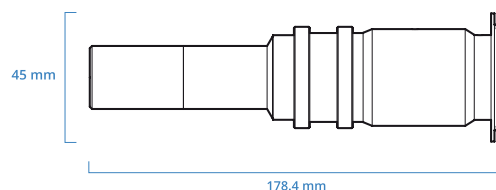
| | | |
|---|-----------|-----------|
| KAI-2020 14.8毫米对角线 w x h 11.84 x 8.88 | (mm x mm) | 3.0 x 2.2 |
| KAI-04050 16 毫米 对角线 w x h 12.8 x 9.6 | (mm x mm) | 3.2 x 2.4 |
| KAI-4022/4021 21.5 毫米 对角线 w x h 15.2 x 15.2 | (mm x mm) | 3.8 x 3.8 |
| KAI-08050 22.6 毫米 对角线 w x h 18.1 x 13.6 (7) | (mm x mm) | 4.5 x 3.4 |

光学说明书

| | | |
|----------------|-------|---------------|
| 操作距离 (1) | (mm) | 56.0 |
| wF/# (2) | | 22 |
| (最大) 典型的远心 (3) | (deg) | < 0.08 (0.10) |
| 典型的失真 (最大) (4) | (%) | < 0.08 (0.10) |
| 景深 (5) | (mm) | 0.1 |
| CTF@ 50 lp/mm | (%) | > 30 |

机械性能

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|--------|------|-------|
| 接口 | | F |
| 长度 (6) | (mm) | 178.4 |
| 直径 | (mm) | 45 |
| 重量 | (g) | 220 |



注释

- 工作距离：机器前端与物体前端之间的距离 其设定在标称值的+/-3%可达到最佳分辨率与最小畸变。
- 工作F值：当被测物体未放置于离镜头无限远时的真实F值。也可根据需要提供更小的光圈。
- 镜头内主光线的最大斜率角度：当该角度被转换为毫拉德时，它表示镜头在拍摄时每毫米物体位移的最大测量误差。
- 相比理想化，无畸变的图像，其真实的图像偏差率：列出了典型(平均值)和最大(保证)值。
- 在景深的边缘，其图像依然能用于测量。但为了获得更好的图像，应考虑采用标称景深的一半。
- 从镜头最前端的机械结构到相机法兰的长度。使用KAI-08050 (22.6 mm对角线) 探测器时，TC 4M yyy镜头的视野在图像边缘会呈现一些光晕，因为这些镜头是针对1.2"(21.5mm对角线) 探测器而设计。当用"Ø ="表示视野范围时，该直径的圆形物体其图像完全内切在探测器上。

兼容产品

LTCLHP 系列 远心惠普照明

| | |
|-------------|--|
| LTCLHP023-R | Telecentric HP illuminator, beam diameter 16 mm, red |
| LTCLHP023-G | Telecentric HP illuminator, beam diameter 16 mm, green |
| LTCLHP023-B | Telecentric HP illuminator, beam diameter 16 mm, blue |
| LTCLHP023-W | Telecentric HP illuminator, beam diameter 16 mm, white |

LTRNST series LED ring illuminators - straight type

| | |
|-----------|---|
| LTRN023RD | Ring LED illuminator, inner diameter 28 mm, straight type, red 630 nm |
| LTRN023GR | Ring LED illuminator, inner diameter 28 mm, straight type, green 525 nm |
| LTRN023BL | Ring LED illuminator, inner diameter 28 mm, straight type, blue 470 nm |
| LTRN023NW | 环形照明器, 白色 |

LTRNOB series LED ring illuminators - oblique type

| | |
|------------|--|
| LTRN075R45 | Ring LED illuminator, inner diameter 28 mm, oblique type, red 630 nm |
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|------------|--|
| LTRN075G45 | Ring LED illuminator, inner diameter 28 mm, oblique type, green 525 nm |
| LTRN075B45 | Ring LED illuminator, inner diameter 28 mm, oblique type, blue 470 nm |
| LTRN075W45 | 环形照明器, 白色 |



LTBC series
Continuous LED backlight

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|--------------|--|
| LTBC054054-W | Continuous LED backlight, 54x54 illumination area, white |
| LTBC054054-G | Continuous LED backlight, 54x54 illumination area, green |



CMHO 系列
夹具机构

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|---------|-------|
| CMHO023 | 机械固定架 |
|---------|-------|



LTLAIC series
Continuous LED low angle diffused ringlights

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|---------------------------|---|
| RT-DLR2-60-050-2-W-24V-FL | Continuous LED low angle diffused ringlight, inner diameter 18 mm, 60°, white |
| RT-DLR2-60-050-2-R-24V-FL | Continuous LED low angle diffused ringlight, inner diameter 18 mm, 60°, red |
| RT-DLR2-60-050-2-G-24V-FL | Continuous LED low angle diffused ringlight, inner diameter 18 mm, 60°, green |
| RT-DLR2-60-050-2-B-24V-FL | Continuous LED low angle diffused ringlight, inner diameter 18 mm, 60°, blue |



LTLADC series
Continuous LED low angle direct ringlights

| | |
|--------------------------|--|
| RT-LLA-75-130-3-W-24V-FL | Continuous LED low angle direct ringlights, inner diameter 94 mm, 75°, white |
| RT-LLA-75-130-3-R-24V-FL | Continuous LED low angle direct ringlights, inner diameter 94 mm, 75°, red |
| RT-LLA-75-130-3-G-24V-FL | Continuous LED low angle direct ringlights, inner diameter 94 mm, 75°, green |
| RT-LLA-75-130-3-B-24V-FL | Continuous LED low angle direct ringlights, inner diameter 94 mm, 75°, blue |



LTRNDC series
Continuous LED direct ringlights

| | |
|--------------------------|---|
| RT-LSW-15-050-2-W-24V-FL | Continuous LED direct ringlight, inner diameter 28 mm, 15°, white |
| RT-LSW-15-050-2-R-24V-FL | Continuous LED direct ringlight, inner diameter 28 mm, 15°, red |
| RT-LSW-15-050-2-G-24V-FL | Continuous LED direct ringlight, inner diameter 28 mm, 15°, green |
| RT-LSW-15-050-2-B-24V-FL | Continuous LED direct ringlight, inner diameter 28 mm, 15°, blue |
| RT-LSW-45-070-3-W-24V-FL | Continuous LED direct ringlight, inner diameter 35 mm, 45°, white |
| RT-LSW-45-070-3-R-24V-FL | Continuous LED direct ringlight, inner diameter 35 mm, 45°, red |
| RT-LSW-45-070-3-G-24V-FL | Continuous LED direct ringlight, inner diameter 35 mm, 45°, green |
| RT-LSW-45-070-3-B-24V-FL | Continuous LED direct ringlight, inner diameter 35 mm, 45°, blue |



LTBFC series
Continuous flat side-emitting LED backlights

| | |
|--------------------------|---|
| RT-BHDS-25X36-1-W-24V-FL | Continuous flat side-emitting LED backlight, one side edge to edge type, 36X25 illumination area, white |
| RT-BHDS-25X36-1-R-24V-FL | Continuous flat side-emitting LED backlight, one side edge to edge type, 36X25 illumination area, red |
| RT-BHDS-25X36-1-G-24V-FL | Continuous flat side-emitting LED backlight, one side edge to edge type, 36X25 illumination area, green |
| RT-BHDS-25X36-1-B-24V-FL | Continuous flat side-emitting LED backlight, one side edge to edge type, 36X25 illumination area, blue |



LTBRDC series
Continuous LED bar lights

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|---------------------------|--|
| RT-LBRX-00-040-6-W-24V-FL | Continuous LED bar light, 40X26.3 illumination area, white |
| RT-LBRX-00-040-6-R-24V-FL | Continuous LED bar light, 40X26.3 illumination area, red |
| RT-LBRX-00-040-6-G-24V-FL | Continuous LED bar light, 40X26.3 illumination area, green |
| RT-LBRX-00-040-6-B-24V-FL | Continuous LED bar light, 40X26.3 illumination area, blue |



LTCXC series
Continuous LED coaxial lights

| | |
|---------------------------|--|
| RT-CAS2-00-025-X-W-24V-FL | Continuous LED coaxial light, 27x27 active area, white |
| RT-CAS2-00-025-X-R-24V-FL | Continuous LED coaxial light, 27x27 active area, red |

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|---|--|
| RT-CAS2-00-025-X-G-24V-FL | Continuous LED coaxial light, 27x27 active area, green |
| RT-CAS2-00-025-X-B-24V-FL | Continuous LED coaxial light, 27x27 active area, blue |