# TCCR2M120-F

CORE系列远心镜头,适用于1"探测器,放大倍率0.104 x, F接口



### 参数

Part number		TCCR2M120-F
放大	(x)	0.104
Image shape dimension (8)	(Ø, x mm)	Ø=16.4, x=13.4
Phase adjustment (7)		Yes

# 物方视场

	(mm x mm)	113.8 x 85.4
KAI-04050, 16 mm对角线, 12.8 x 9.6 (w x h)	(mm x mm)	123.1 x 92.3
KAI-4022/4021, 21.5 mm对角线, 15.2 x 15.2 (w x h)	(mm x mm)	Ø= 158, x=129
KAI-08050, 22.6 mm对角线, 18.1 x 13.6 (w x h)	(mm x mm)	Ø= 158, x=129

#### 光学规格

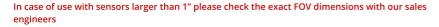
700		
工作距离 (1)	(mm)	334.6
工作F值 (2)		16
典型 (最大) 远心度 (3)	(deg)	< 0.06 (0.10)
典型 (最大) 畸变 (4)	(%)	< 0.08 (0.10)
景深 (5)	(mm)	110
CTF@ 50 lp/mm	(%)	> 40

### 机械性能

接口 (6)		F
JX II (0)		'
A	(mm)	182
В	(mm)	220
C	(mm)	233
质量	(g)	9365

#### 兼容产品

LTCLCR120-x, LTCLHP120-x



- 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 milliradians, 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 " $\emptyset$  = , x= ", where " $\emptyset$  =" stands for diameter and "x=" indicates the nominal FOV height and length (see <u>Tech Info</u> for related drawing).
- 7. Indicates the availability of an integrated camera phase adjustment feature.
- 8. Indicates the dimensions and shape of image, where " $\emptyset$  =" stands for diameter and "x=" indicates the nominal image height and length (see Tech Info for related drawing)

## 兼容产品





LTCLHP120-R	Telecentric HP illuminator, beam diameter 150 mm, red
LTCLHP120-G	Telecentric HP illuminator, beam diameter 150 mm, green
LTCLHP120-W	Telecentric HP illuminator, beam diameter 150 mm, white



LTCLCR120-R	CORE远心照明器,光束直径Ø = 156, x = 130, 红, 630 nm
LTCLCR120-G	CORE远心照明器,光束直径Ø = 156, x = 130, 绿色, 520 nm
LTCLCR120-W	CORE远心照明器,光束直径Ø = 156, x = 130, 白色