



TCCR4M120-E

CORE系列远心镜头, 适用于1"探测器, 放大倍率0.143 x, M42x1 FD 16接口

参数

Part number		TCCR4M120-E
放大	(x)	0.143
Image shape dimension (8)	(\emptyset , x mm)	$\emptyset=22.3$, x=18.2
Phase adjustment (7)		Yes

物方视场 7

KAI-2020, 14.8 mm对角线, 11.84 x 8.88 (w x h)	(mm x mm)	82.6 x 62.0
KAI-04050, 16 mm对角线, 12.8 x 9.6 (w x h)	(mm x mm)	89.3 x 67.0
KAI-4022/4021, 21.5 mm对角线, 15.2 x 15.2 (w x h)	(mm x mm)	106.1 x 106.1
KAI-08050, 22.6 mm对角线, 18.1 x 13.6 (w x h)	(mm x mm)	126.3 x 94.9

光学规格

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)	57.8
CTF@ 50 lp/mm	(%)	> 30

机械性能

接口 (6)		M42x1
A	(mm)	182
B	(mm)	220
C	(mm)	280
质量	(g)	9355

兼容产品

LTCLCR120-x, LTCLHP120-x

注释

- 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.
- 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.
- 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.
- Percent deviation of the real image compared to an ideal, undistorted image: typical (average production) values and maximum (guaranteed) values are listed.
- 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 .
- 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 [Tech Info](#) for related drawing).
- Indicates the availability of an integrated camera phase adjustment feature.
- 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



LTCLHP 系列
高性能远心照明器

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



LTCLHP CORE 系列
超紧凑型远心照明器

LTCLCR120-R

CORE远心照明器, 光束直径 $\varnothing = 156$, $x = 130$, 红, 630 nm

LTCLCR120-G

CORE远心照明器, 光束直径 $\varnothing = 156$, $x = 130$, 绿色, 520 nm

LTCLHP120-W

CORE远心照明器, 光束直径 $\varnothing = 156$, $x = 130$, 白色