

型号 Model: JOS811000828C 8mm

产品名称 Product Name (CN): JOS811000828C 8mm 手动工业镜头

Product Name (EN): JOS811000828C 8mm Manual Focus Industrial Lens

产品特点 Features

0.1m-∞ 宽调焦域 + F2.8-F22 连续可调光圈, 双环带锁紧螺丝抗振动漂移, 1.1" 大靶面畸变小于 3%, 一体化 C-Mount 紧凑设计免驱动板供电, 工业宽温稳定长时运行。

Wide 0.1m-∞ focus range with continuously adjustable F2.8-F22 aperture, dual manual rings with locking screws for vibration-proof stability, under 3% distortion on 1.1" target format, and a compact integrated C-Mount design that needs no driver board or power supply — built for reliable long-hour industrial operation.

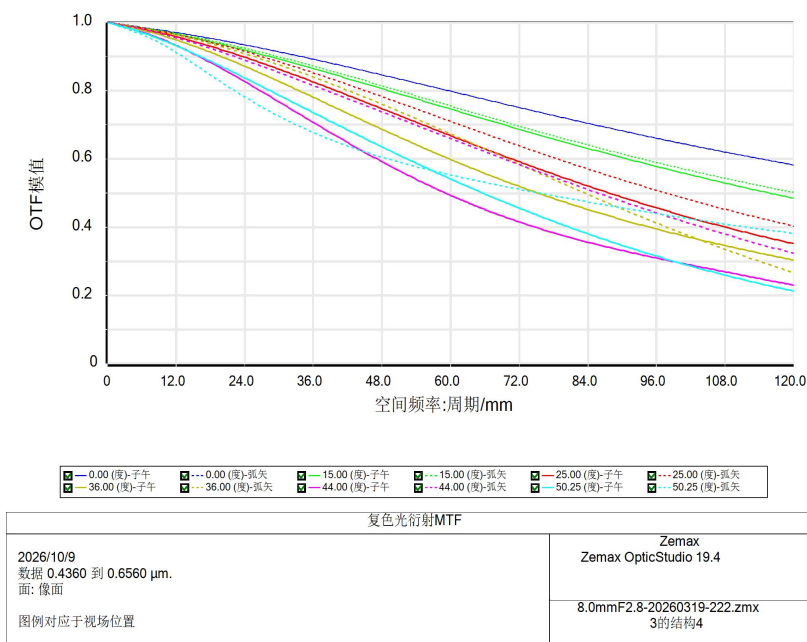
光学参数 Optical Specification

参数项 Item (CN)	Item (EN)	规格 Specification (CN)	Specification (EN)
焦距	Focal Length	8mm	8 mm
像面尺寸	Image Format	1.1"(φ18.4mm)	1.1"(φ18.4mm)
分辨率	Resolution	25MP	25MP
接口	Lens Mount	C	C-mount
工作范围 - 光圈	Working Range - Iris	F2.8~F22	F2.8~F22
工作范围 - 聚焦	Working Range - Focus	0.1m ~ ∞	0.1m ~ ∞
控制 - 光圈	Control - Iris	手动	Manual
控制 - 聚焦	Control - Focus	手动	Manual
视场角 - 对角 (2/3")	Angle of View - Diagonal (2/3")	69.47°	69.47°
视场角 - 水平 (2/3")	Angle of View - Horizontal (2/3")	55.75°	55.75°
视场角 - 垂直 (2/3")	Angle of View - Vertical (2/3")	47.57°	47.57°
视场角 - 对角 (1")	Angle of View - Diagonal (1")	90.85°	90.85°
视场角 - 水平 (1")	Angle of View - Horizontal (1")	77.99°	77.99°
视场角 - 垂直 (1")	Angle of View - Vertical (1")	62.17°	62.17°
视场角 - 对角 (1.1")	Angle of View - Diagonal (1.1")	96.33°	96.33°
视场角 - 水平 (1.1")	Angle of View - Horizontal (1.1")	83.67°	83.67°
视场角 - 垂直 (1.1")	Angle of View - Vertical (1.1")	66.15°	66.15°
物方视场 - 水平 (2/3")	Field of View - Horizontal (2/3")	185.307mm	185.307 mm
物方视场 - 垂直 (2/3")	Field of View - Vertical (2/3")	155.044mm	155.044 mm
物方视场 - 水平 (1")	Field of View - Horizontal (1")	287.939mm	287.939 mm
物方视场 - 垂直 (1")	Field of View - Vertical (1")	192.105mm	192.105 mm
物方视场 - 水平 (1.1")	Field of View - Horizontal (1.1")	309.868mm	309.868 mm
物方视场 - 垂直 (1.1")	Field of View - Vertical (1.1")	226.974mm	226.974 mm
畸变(1.1")	Distortion(1.1")	<3%	<3%
机械后焦	Mechanical Back Focal Length	11.2 mm	11.2 mm
滤片尺寸	Filter Thread	M77×0.75	M77×0.75
控制接口	Control Interface	无	N/A
工作温度	Operating Temperature	-20°C~+60°C	-20°C to +60°C
外观尺寸	Dimensions	48.9x60mm	48.9 × 60 mm

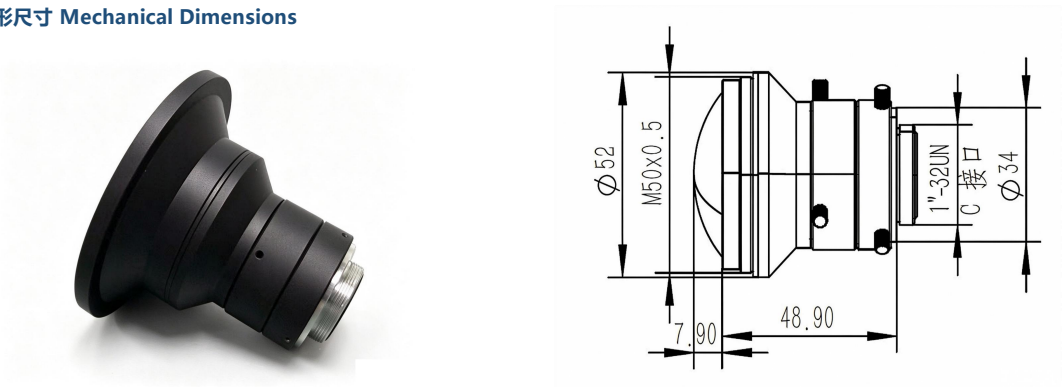
景深 & 工作距离放大倍率对应表 Depth of Field & Working Distance / Magnification Table

对焦距离 WD (mm) Focus Distance WD (mm)	光学倍率 β Optical Mag. β	参考对焦编码位置 Ref. Focus Encoder Pos.
100	0.0642	参考值 0 Ref. Value 0
200	0.0353	参考值 2000 Ref. Value 2000
500	0.0151	参考值 5000 Ref. Value 5000
1000	0.0077	参考值 8000 Ref. Value 8000
∞ (无穷远) ∞ (Infinity)	-/-	参考值 10000 Ref. Value 10000

MTF 曲线/MTF Curve



机械外形尺寸 Mechanical Dimensions



关键尺寸摘要 (单位 mm) Key Dimensions Summary (Unit: mm)

尺寸项目(CN)	Dimension Item(EN)	数值 (CN)	Value (EN)
镜头前端滤镜安装螺纹	Front Filter Mount Thread	M50×0.5	M50×0.5
镜头最大外径	Max. Lens Outer Diameter	Φ60	Φ60
前端突出长度	Front Protrusion Length	7.9	7.9
总长	Total Length	48.9	48.9
相机侧接口螺纹	Camera-side Thread	1"-32UN, 配合 Φ34 外径	1"-32UN, with Φ34 outer dia.

机械调节说明 Mechanical Adjustment Instructions

1.调焦与光圈操作 Focus & Aperture Adjustment

松开锁紧螺钉，旋转调焦/光圈环至所需位置，再拧紧螺钉锁定即可。

Loosen the locking screw, rotate the focus/aperture ring to the desired position, then tighten the screw to lock.

2.注意事项 Precautions

请勿过度拧紧螺钉或用力按压镜筒，以免损坏螺纹或内部镜片。

Avoid overtightening screws or pressing the lens barrel to prevent damage.

3.即插即用 Plug & Play

本镜头为纯光学手动镜头，无需供电，直接安装于C-Mount相机即可使用。

This is a manual optical lens requiring no power supply. Simply mount it directly onto a C-Mount camera.