OEM Automatic Ltd
Address: Whiteacres, Whetstone Leicester, LE8 6ZG
0116 284 9900 | Orders@oem.co.uk | www.oem.co.uk

KOWA JC1MS SERIES FIXED FOCAL LENSES

LM8JC1MS
2/3", FL: 8mm, C-Mount, 4.5µm

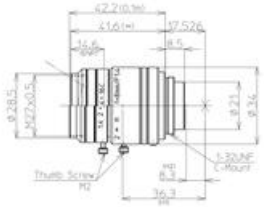


- Sensor Size 2/3"
- Fixed Focal Length Up To 100mm
- 2MP Resolution
- C-Mount
- Suitable for OnSemi Python500, e2v EV76C570 and Aptina MT9M131 sensors

PRODUCT DESCRIPTION

TECHNICAL DATA

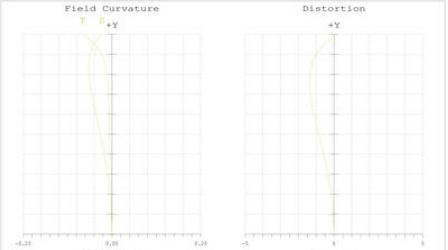
5156_Pixel size min (µm)	4,5
Aperture range max (f)	1.4
Distortion	-0.6
Filter	27
Focal length	8 mm
Focus distance min	100 mm
Lens barrel	C-Mount
Resolution max	2 MP
Sensor size max	2/3"



2/3" 1.4/8mm C	2/3"	1/1.8"	1/2"
FOCAL LENGTH	f=8mm		
MAX. DIAMETER MATCH	F=1:1.4-Close		
PICTURE SIZE	6.6x8.8mm		
ANGLE VER. ANGLE	43.9°	36.3°	33.5°
HOR. ANGLE	56.5°	47.4°	42.6°
DIA. ANGLE	66.7°	57.4°	52.0°
DISTORTION (T.V.)	-0.6%		
SHOOTING RANGE AT VER.	90.0mm	73.6mm	65.1mm
MINIMUM FOCUS HOR.	120.3mm	98.3mm	87.2mm
DISTANCE DIA.	148.6mm	122.9mm	109.4mm
MINIMUM FOCUS DISTANCE	0.1m		
FLANGE BACK	17.526mm in air		
BACK FOCUS	9.74mm in air		
FILTER SCREW SIZE	M27.0X0.5		
FRONT/REAR EFFECTIVE DIA.	FRONT φ17.5mm	REAR φ15.6mm	
MOUNT	C-MOUNT		
EXIT PUPIL	214.3mm		
TEMPERATURE RANGE	-30~+50°C		
STORAGE TEMPERATURE RANGE	-20~+60°C		
RESOLUTION (CENTER/CORNER)	CENTER 93lp/mm	CORNER 80lp/mm	
WEIGHT	90 g		

NOTE:Specifications and availability are subject to change without notice.
注)本仕様については、予告なしに変更する場合があります。

		尺度	1/1
		機種名	HR973KW
2013.11.21	変更	機種名	2/3" F1.4 f=8mm
2013.4.15	作成年月日	機種名	LM8JC1MS 外観図

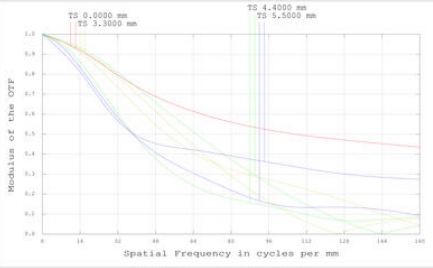


Field units changed to field angle

Field Curvature / F-Tan(Theta) Distortion

LM0JC1MS (8mmF1.4)

Maximum Field is 33.451 Degrees.
Wavelengths: 0.588



Polychromatic Diffraction MTF

LM0JC1MS (8mmF1.4) WD=300

Data for 0.4358 to 0.6563 μm.
Surface: Image