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

KOWA JC10M SERIES FIXED FOCAL LENSES

2/3", 10MP

LM3JC10M
2/3", FL: 3.7mm, C-Mount, 2.5µm



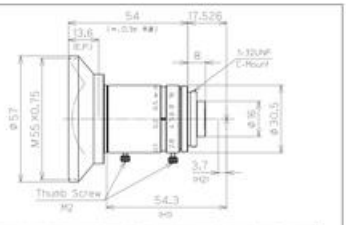
- Sensor size up to 2/3"
- Focal lengths up to 50mm
- 10MP resolution
- C-Mount lenses

PRODUCT DESCRIPTION

The 2/3" 10 megapixel JC10M lens series provides 200lp/mm resolution and low distortion in order to maximize performance for high-end applications. Incorporating Kowa's broadband coating and floating mechanism design, the JC10M lens series greatly reduces chromatic aberration at any distance and maintain a high transmission from visible to NIR.

TECHNICAL DATA

5156_Pixel size min (µm)	2,5
Aperture range max (f)	2.8
Aperture range min	16
Distortion	-0.09
Filter	55
Focal length	3.7 mm
Focus distance min	100 mm
Lens barrel	C-Mount
Resolution max	10 MP
Sensor size max	2/3"

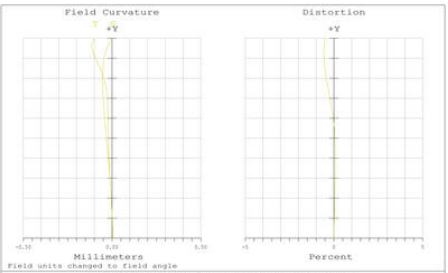


2/3" 2.8/3.5mm C	2/3"	1/1.8"	1/2"
TOTAL LENGTH	1-3.7mm		
MAX. DIAPHRAGM RATIO	F-1:2.8-		
PICTURE SIZE	6.6x4.8mm	5.4x7.2mm	4.8x6.4mm
ANGLE (H) VER. ANGLE	83.2°	77.4°	66.1°
HOR. ANGLE	100.2°	88.7°	82.0°
DIA. ANGLE	112.3°	101.4°	94.8°
DISTORTION (TV)	-0.14%		
FIELD OF VIEW (MINIMUM FOCUS DISTANCE) VER.	207.3mm	168.8mm	149.7mm
HOR.	278.2mm	226.1mm	200.8mm
DIA.	350.7mm	285.2mm	252.7mm
MINIMUM FOCUS DISTANCE	0.1m		
FLANGE BACK	17.526mm in air		
BACK FOCUS	9.9 mm in air		
FILTER SCREW SIZE	M55x0.75		
FRONT/REAR EFFECTIVE DIA.	FRONT φ32.0mm	REAR φ10.5mm	
MOUNT	C-MOUNT		
EXIT PUPIL	-49.4mm		
TEMPERATURE RANGE	-10~+50° C		
STORAGE TEMPERATURE RANGE	-20~+60° C		
RESOLUTION (CENTER/CORNER)	CENTER 200lp/mm	CORNER 105lp/mm	
WEIGHT	120g		

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
		名称	LM3JC10M
		型式	2/3" F2.8 f=3.7mm
2021.03.17	作成年月日	製図	LM3JC10M 外観図

DIS-104

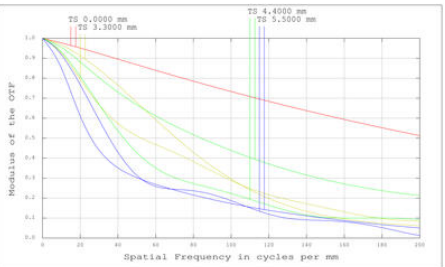


Field units changed to field angle

Field Curvature / F-Tan(Theta) Distortion

LM3JC10M (3.7mm F2.8)

Maximum Field is 56.256 Degrees.
Wavelengths: 0.588



Polychromatic Diffraction MTF

LM3JC10M (3.7mm F2.8)

Data for 0.4358 to 0.6563 µm.
Surface: Image