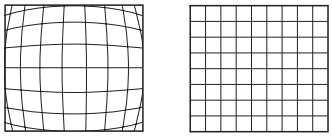
MEGAPIXEL LENS SERIES

- ❑ Super High resolution
- ❑ Correspond to 2 megapixel and over.
- ❑ 0 Distortion.
- ❑ Floating mechanism design.

Low optical distortion

An original optical design has been adopted to eliminate distortion, which is often the largest obstacle for dimensional measurements and other applications requiring high accuracy. The JCM Series has a low distortion level of 0.01% or lower.*
* When using the LM50JCM

Comparison of distortion

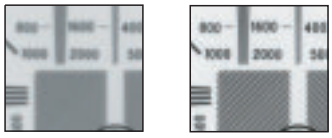


Conventional model　　JCM Series

High resolution and high contrast

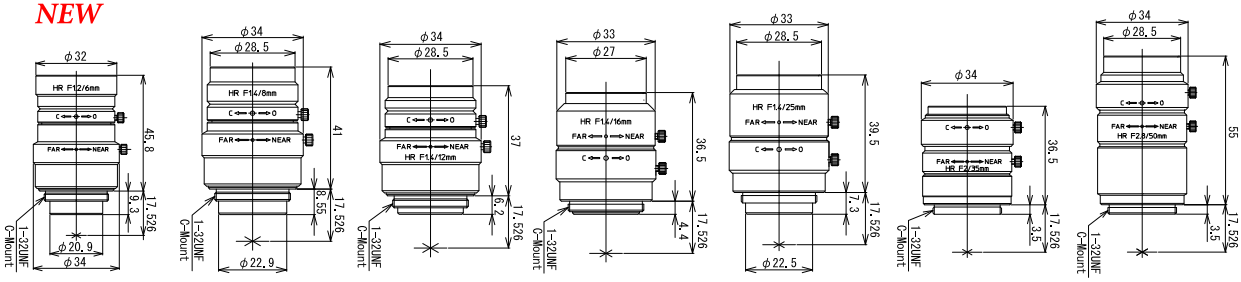
The floating mechanism moves the front and rear spherical elements separately, obtaining high resolution from close range to infinity. In addition, the contrast is improved dramatically from conventional products. Even targets with small intensity contrasts can be reproduced reliably without being washed out in the background.

Comparison of magnified images



Conventional model　　JCM Series

NEW



Model Name	LM6NCM	LM8JCM	LM12JCM	LM16JCM	LM25JCM	LM35JCM	LM50JCM
Focal Length(mm)	6mm	8mm	12mm	16mm	25mm	35mm	50mm
Format Size	1/2"	2/3"	2/3"	2/3"	2/3"	2/3"	2/3"
Iris Range (F-Stop)	F-1.2～16～CLOSE	F-1.4～16～CLOSE	F-1.4～16～CLOSE	F-1.4～16～CLOSE	F-1.4～16～CLOSE	F-2.0～16～CLOSE	F-2.8～22～CLOSE
Focusing Range(m)	0.1～∞	0.1～∞	0.15～∞	0.2～∞	0.2～∞	0.2～∞	0.2～∞
Control Iris	Manual	Manual	Manual	Manual	Manual	Manual	Manual
Control Focus	Manual	Manual	Manual	Manual	Manual	Manual	Manual
horizontal Angle (°) 1/4"	—	—	—	—	—	—	—
horizontal Angle (°) 1/3"	43.5	32.5	21.4	16.4	10.5	7.85	5.2
horizontal Angle (°) 1/2"	56.2	42.6	23.8	21.8	14.0	10.5	7.0
horizontal Angle (°) 2/3"	—	56.5	38.3	30.0	19.6	14.4	9.6
Back Focal Length (mm)	8.2	9.5	11.7	13.1	11.1	20.1	35.5
Mount	C	C	C	C	C	C	C
Filter Diameter (mm)	M30.5 x P0.5	M25.5 x P0.5	M27 x P0.5	M25.5 x P0.5	M27 x P0.5	M27 X P0.5	M27 X P0.5
Size (mm)	φ32 X 45.8	φ34 X 41	φ34 X 37	φ33 X 36.5	φ33 X 39.5	φ34 X 36.5	φ34 X 55
Weight (g)	—	83	75	81	89	92	92
Remark	Megapixel	Megapixel	Megapixel	Megapixel	Megapixel	Megapixel	Megapixel