

NCM/JCM Series

High Resolution FA/MV Lenses

Features of WIDE NCM/JCM Series

- ▶ Super wide optical design
- ▶ Large angle of view
- ▶ Expansion angle
(Horizontal angle 82degree, Vertical angle 66degree)

† 2/3" model: LM5JCM, 1/1.8" model: LM3NCM

Low distortion

- ▶ Reduces the distortion to corner
- † LM5JCM: Under 0.5%, LM3NCM: Under 0.4% (TV distortion)

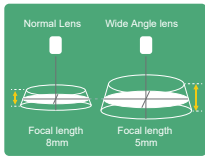
High quality

- ▶ Adapts to 2 megapixel cameras
- ▶ Improves center and corner resolution
- ▶ High transmittance

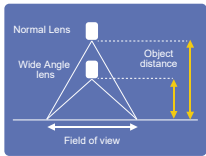


Corner image comparison
(Super wide angle lens vs. Standard lens)

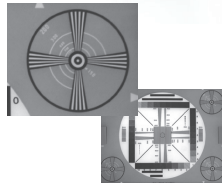
Long Depth of field



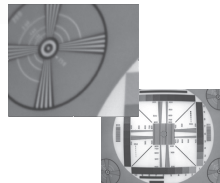
Short Close distance



LM5JCM: 2/3inch f=5mm

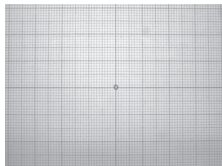


LM6JC: 2/3inch f=6mm

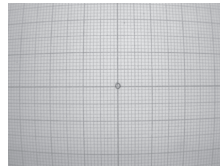


Distortion comparison at short distance object

LM5JCM: 2/3inch f=5mm

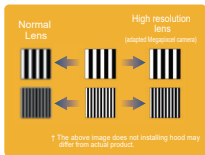


LM6JC: 2/3inch f=6mm

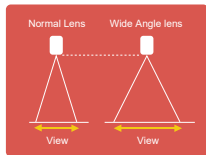


Capture image taken by 2megapixel camera

Clear image



Large field of view



LM3NCM



1/1.8" 1/2" 1/3" 3.5mm FIXED MEGA C-MT METAL LO-DIS
Fixed Focal Megapixel C-mount Metal Body Low Distortion

LM4NCM



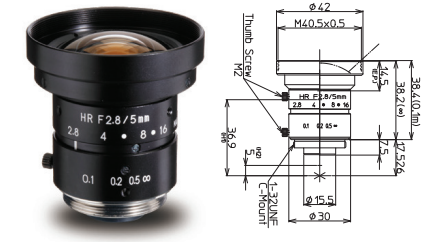
1/1.8" 1/2" 1/3" 4.4mm FIXED MEGA C-MT METAL LO-DIS
Fixed Focal Megapixel C-mount Metal Body Low Distortion

LM6NCM



1/2" 1/3" 6mm FIXED MEGA C-MT METAL LO-DIS
Fixed Focal Megapixel C-mount Metal Body Low Distortion

LM5JCM



2/3" 1/1.8" 1/2" 5mm FIXED MEGA C-MT METAL LO-DIS
Fixed Focal Megapixel C-mount Metal Body Low Distortion

Model	LM3NCM	LM4NCM	LM6NCM	LM5JCM
Focal Length(mm)	3.5	4.4	6	5
Image Size(mm)	7.2x5.4(Φ9)	7.2x5.4(Φ9)	6.4x4.8(Φ8)	8.8x6.6(Φ11)
Iris Range(F-stop)	F2.4-F14	F1.6-F16	F1.2-Close	F2.8-F16
Focusing Range(m)	0.1-∞	0.1-∞	0.1-∞	0.1-∞
Control	Manual	Manual	Manual	Manual
Focus	Manual	Manual	Manual	Manual
Shooting Range at M.O.D.(mm)	226.3(H)x171.4(V)	190.0(H)x141.2(V)	122.2(H)x91.0(V)	200.8(H)x150.8(V)
Angle of View (Degrees)	2/3 inch 1/1.8 inch 1/2 inch 1/3 inch	- 89.0x73.8 82.4x66.9 66.9x52.7	- 76.6x61.3 70.2x55.5 55.5x43	- 82.4x66.9 71.7x57.1 65.2x51.3
Resolution(Center, Corner)	120lp/mm, 100lp/mm	120lp/mm, 100lp/mm	120lp/mm, 100lp/mm	120lp/mm, 100lp/mm
TV Distortion(%)	0.4	-0.2	-0.2	0.5
Back Focus in Air(mm)	9.7	8.8	8.2	10.0
Mount	C-mount	C-mount	C-mount	C-mount
Filter Thread(mm)	M40.5xP0.5	M43xP0.75	M30.5xP0.5	M40.5xP0.5
Size(mm)	Φ42x38.2	Φ45x37.3	Φ34x45.8	Φ42x38.2
Weight(g)	85	150	100	84
Temperature Range	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C	-10°C~+50°C

† Images may differ from the actual product.

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