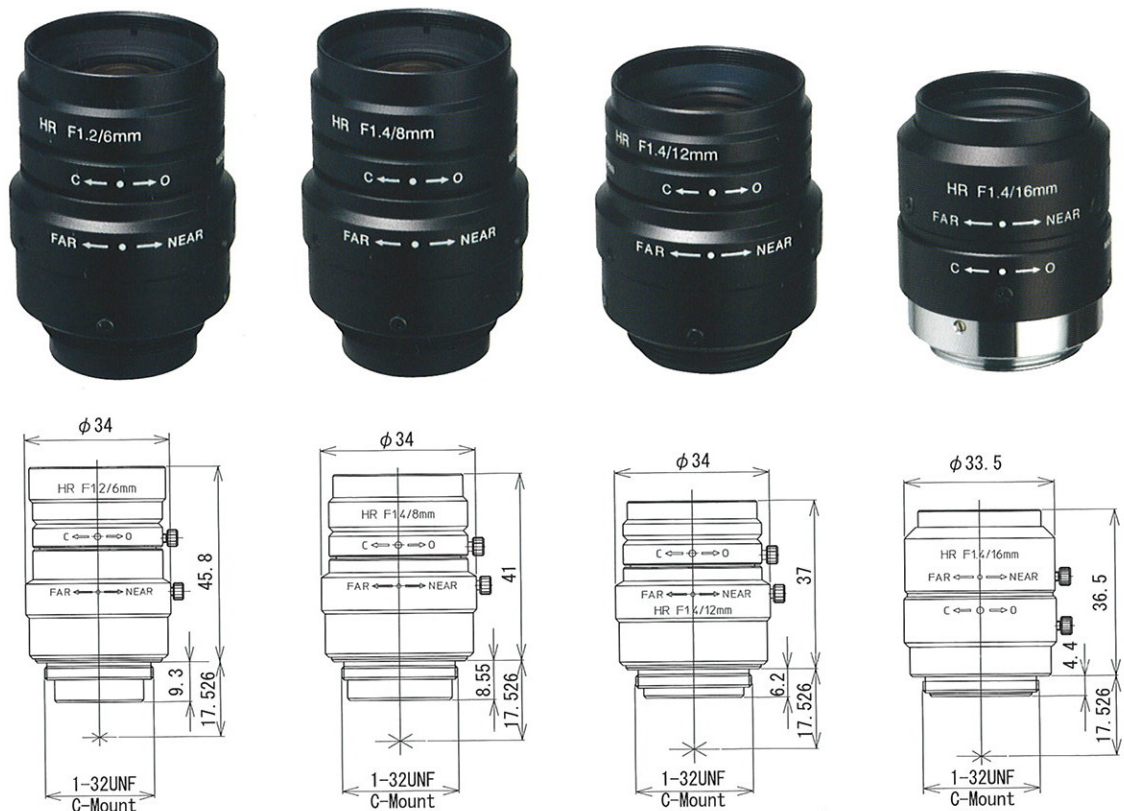


2/3" JCM/NCM Mega-Pixel Lens Series

- ❑ Super High Resolution(120lp/mm) fixed focal lens for machinevision.
- ❑ For use with 2 Megapixel cameras and above.
- ❑ 0 Distortion.

Floating Mechanism Design :

The floating mechanism moves the front and rear spherical elements independently to obtain high resolution and high contrast from close-up to infinity .

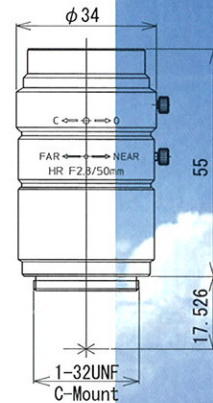
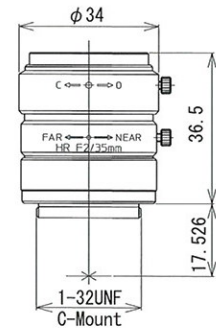
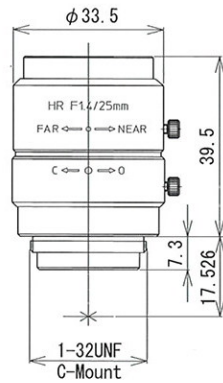


Model Name	LM6NCM	LM8JCM	LM12JCM	LM16JCM
Focal Length (mm)	6	8	12	16
Format Size (mm)	4.8 X 6.4 (φ8)	6.6 X 8.8 (φ11)	6.6 X 8.8 (φ11)	6.6 X 8.8 (φ11)
Iris Range (F-Stop)	F1.2~F16	F1.4~F16	F1.4~F16	F1.4~F16
Focusing Range (m)	0.1m~∞	0.1m~∞	0.15~∞	0.2m~∞
Control	Iris Manual Focus Manual	Iris Manual Focus Manual	Iris Manual Focus Manual	Iris Manual Focus Manual
Shooting Range at M.O.D.	148.2(H)X 118.5(V)	117.3(H) X 88(V)	110(H) X 82.5(V)	112.8(H) X 84.4(V) X 141.2(D)
Field Angle	2/3" —	56.5 X 43.9	38.3 X 26.2	30.0 X 22.7
(H° X V°)	1/2" 56.2 X 43.5	42.6 X 32.5	28.3 X 21.4	21.8 X 16.4
	1/3" 43.5 X 33.2	32.5 X 24.6	21.4 X 16.1	16.4 X 12.3
Resolution (center/corner)	120lpm / 100lpm	120lpm / 100lpm	120lpm / 100lpm	120lpm / 100lpm
Distortion	-0.2%	-0.6%	-0.07%	-0.05%
Back Focal Length	8.2mm in air	9.5mm in air	11.7mm in air	13.1mm in air
Mount	C-Mount	C-Mount	C-Mount	C-Mount
Filter Diameter (mm)	M30.5 X 0.5	M27 X 0.5	M27 X 0.5	M25.5 X 0.5
Size (mm)	φ 34 X 45.8	φ 34 X 41	φ 34 X 37	φ 33 X 36.5
Weight (g)	100	83	75	81
Operating Temperature	-10°C ~ +45°C	-10°C ~ +45°C	-10°C ~ +45°C	-10°C ~ +45°C

Optical Magnification At M.O.D with Extension Tube

Model (Focal Length)	LM6JCM(6mm)	LM8JCM(8mm)	LM12JCM(12mm)	LM16JCM(16mm)	LM25JCM(25mm)	LM35JCM(35mm)	LM50JCM(50mm)	
W/O Extension Tube	M.O.D.	7.1mm	19.5mm	67.4mm	67.4mm	67.4mm	0.17X	43.3mm
	Mag.	0.32X	0.25X	0.17X	0.17X	0.08X	0.14X	0.1X
1mm Extension Tube	M.O.D.	*	*	43.3mm	43.3mm	199mm	*	*
	Mag.	*	*	0.25X	0.25X	0.12X	*	*
5mm Extension Tube	M.O.D.	*	*	15.9mm	15.9mm	89mm	121mm	269mm
	Mag.	*	*	0.59X	0.59X	0.29X	0.28X	0.2X
10mm Extension Tube	M.O.D.	*	*	*	*	*	80.5mm	186mm
	Mag.	*	*	*	*	*	0.43X	0.3X
15mm Extension Tube	M.O.D.	*	*	*	*	*	*	119mm
	Mag.	*	*	*	*	*	*	0.5X
20mm Extension Tube	M.O.D.	*	*	*	*	*	*	*
	Mag.	*	*	*	*	*	*	*

*Extension Tube is available upon request



Model Name	LM25JCM	LM35JCM	LM50JCM
Focal Length (mm)	25	35	50
Format Size (mm)	6.6 X 8.8 (φ 11)	6.6 X 8.8 (φ 11)	6.6 X 8.8 (φ 11)
Iris Range (F-Stop)	F1.4~F16	F2.0~F16	F2.8~F22
Focusing Range (m)	0.2m~∞	0.2m~∞	0.2m~∞
Control	Iris: Manual Focus: Manual	Iris: Manual Focus: Manual	Iris: Manual Focus: Manual
Shooting Range at M.O.D.	71.1(H) X 53.3(V) X 89.0(D)	47.9(H) X 35.8(V) X 60.0(D)	29.3(H) X 21.9(V) X 36.6(D)
Field Angle	2/3" : 19.6 X 14.8 1/2" : 14.0 X 10.5 1/3" : 10.5 X 7.9	14.4 X 10.8 10.5 X 7.85 7.85 X 5.89	9.6 X 7.2 7.0 X 5.2 5.2 X 3.9
Resolution (center/corner)	120lpm / 100lpm	120lpm / 100lpm	120lpm / 100lpm
Distortion	-0.04%	-0.2%	-0.03%
Back Focal Length	11.1mm in air	20.1mm in air	35.5mm in air
Mount	C-Mount	C-Mount	C-Mount
Filter Diameter (mm)	M27 X 0.5	M27 X 0.5	M27 X 0.5
Size (mm)	φ 33 X 29.5	φ 33 X 29.5	φ 34 X 55
Weight (g)	89	89	92
Operating Temperature	-10°C ~ +45°C	-10°C ~ +45°C	-10°C ~ +45°C