

# MEGA-PIXEL MACRO ZOOM LENS

CCTV FACTORY AUTOMATION LENSES

- Captures full resolution of mega-pixel cameras
- High contrast & sharp picture in all areas of the screen
- Compact design-Diameter 36.5mm
- Locking set screws for zoom, focus, and iris
- Low distortion
- High resolution macro zoom lens
- 3.3X magnification
- Attachment of fiber ring light can be installed (Ring Guide: M34 P=0.5)

## MLM-3XMP



Optical Magnification	2/3"			Magnification on Monitor	1/2"			Magnification on Monitor	1/3"			Magnification on Monitor
	H	V	D		H	V	D		H	V	D	
0.3X	29.3	22.0	36.7	9.7X	21.3	16.0	26.7	13.3X	16.0	12.0	20.0	17.8X
0.4X	22.0	16.5	27.5	12.9X	16.0	12.0	20.0	17.8X	12.0	9.0	15.0	23.7X
0.5X	17.6	13.2	22.0	16.2X	12.8	9.6	16.0	22.2X	9.6	7.2	12.0	29.6X
0.6X	14.7	11.0	18.3	19.4X	10.7	8.0	13.3	26.7X	8.0	6.0	10.0	35.6X
0.7X	12.6	9.4	15.7	22.6X	9.1	6.9	11.4	31.1X	6.9	5.1	8.6	41.5X
0.8X	11.0	8.3	13.8	25.9X	8.0	6.0	10.0	35.6X	6.0	4.5	7.5	47.4X
0.9X	9.8	7.3	12.2	29.1X	7.1	5.3	8.9	40.0X	5.3	4.0	6.7	53.3X
1.0X	8.8	6.6	11.0	32.3X	6.4	4.8	8.0	44.5X	4.8	3.6	6.0	59.3X

Max. Magnification	0.3X - 10X			Distortion	2/3"	+0.02% at 0.3X (y=5.5) +1.78% at 1.0X (y=5.5)	1/2"	-0.12% at 0.3X (y=4.0) +0.77% at 1.0X (y=4.0)
Max. Aperture Ratio	1:4.5			Back Focal Length	20.4mm			
Max. Image Format	8.8mm x 6.6mm (φ 11mm)			Flange Back Length	17.526mm			
Operation Range	Iris	F4.5 - F22C		Mount	C-Mount			
	Focus	90mm		Filter Size	M34 P=0.5mm			
Control	Iris	Manual		Dimensions	φ 36.5mm x 79.5mm			
	Focus	Manual		Weight	150g			
	Zoom	Manual						
Angle of View	D	14.88° - 2.84°	10.70° - .72°	CCD Size	H(mm)	V(mm)	D(mm)	
	H	11.80° - 2.78°	8.48° - 2.18°	2/3"	8.8	6.6	11.0	
	V	8.74° - 2.24°	6.38° - 1.64°	1/2"	6.4	4.8	8.0	
Operating Temperature	-10°C ~ +50°C			1/3"	4.8	3.6	6.0	
				1/4"	3.6	2.7	4.5	

Monitor Magnification on 14inch Monitor  
Working Distance: 90mm  
Magnification on Monitor = Optical Magnification x Monitor Size / CCD Size

