

Standard Zoom Lens

ML-Z07545 Series



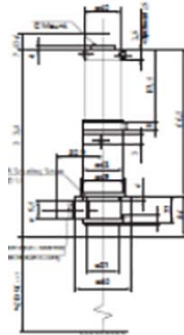
Standard model zoom lens with outstanding functionality. Adjustment of magnification and working distance is possible through combination with optional optics.

- Magnification range : 0.75x-4.5x (zoom ratio of 6:1)
- WD=90mm
- Includes a uniform coaxial illumination function that covers the entire view.
- Equipped with built-in focus adjustment function (WD can be adjusted to -6 mm)



Manual Zoom
ML Z07545

Zoom with Coaxial Illumination
ML Z07545D



Motorized Zoom Options Available



Motor type :
Stepping motor with limit sensor

Model	Magnification	Opt	WD	Motor Option	Focus	Zoom Position	Resolution	Depth of field	NA	Effective Fno	TV Distortion	Compatible Camera	Weight
ML Z07545	0.75x - 4.5x (Zoom ratio of 6:1)	314mm	90mm	Not Available (Manual Zoom)	0 - 6mm	at 0.75x	9.9 μ m	1.6mm	0.03	11	0.02% or less	1/2"	446g
ML Z07545D		320mm				at 2x	5.4 μ m	0.3mm	0.06	16	0.01% or less	1/2"	470g

* Effective F No increases designed value when iris is open
 * Calculated based on permissible circle of confusion on the image formation side 40 μ m

All models with focus, aperture and zoom

Standard Zoom Lens

Accessories (Sold Separately)



Front Converter Lens

ML-Z Series

Attach to end of lens to change magnification and working distance.

Model	Focus Position	ML-Z07545			Matching Chart	ML-Z07545D			Matching Chart
		Magnification Range MIN	MAX	WD		Magnification Range MIN	MAX	WD	
ML-Z03	Near	0.24x	~ 1.43x	255mm	○	0.23x	~ 1.4x	263mm	▲ Coaxial Illumination Cannot Cover the Entire View
	Middle	0.23x	~ 1.36x	283mm		0.22x	~ 1.33x	292mm	
	Far	0.21x	~ 1.28x	315mm		0.21x	~ 1.25x	325mm	
ML-Z04	Near	0.31x	~ 1.87x	195mm	○	0.31x	~ 1.84x	200mm	▲ Coaxial Illumination Cannot Cover the Entire View
	Middle	0.3x	~ 1.81x	211mm		0.3x	~ 1.81x	216mm	
	Far	0.29x	~ 1.72x	229mm		0.29x	~ 1.72x	234mm	
ML-Z05	Near	0.38x	~ 2.27x	160mm	○	0.37x	~ 2.25x	163mm	▲ Coaxial Illumination Cannot Cover the Entire View
	Middle	0.37x	~ 2.24x	170mm		0.37x	~ 2.21x	174mm	
	Far	0.36x	~ 2.2x	181mm		0.36x	~ 2.17x	185mm	
ML-Z07	Near	0.52x	~ 3.17x	114mm	○	0.52x	~ 3.16x	115mm	▲ Coaxial Illumination Cannot Cover the Entire View
	Middle	0.53x	~ 3.16x	119mm		0.52x	~ 3.16x	121mm	
	Far	0.53x	~ 3.17x	125mm		0.52x	~ 3.16x	126mm	
ML-Z20	Near	1.45x	~ 8.77x	32.1mm	○	1.46x	~ 8.77x	32.3mm	○
	Middle	1.49x	~ 9.01x	32.7mm		1.5x	~ 9.09x	32.9mm	
	Far	1.54x	~ 9.26x	33.4mm		1.54x	~ 9.35x	33.6mm	

*Magnification and working distance can be altered slightly by turning the focus adjustment ring (MF) Indicated values are based on calculation formulas. Actual measurement may differ depending on tolerance. Cannot be mounted on ML-Z07545D-PL.

Rear Converter Lens

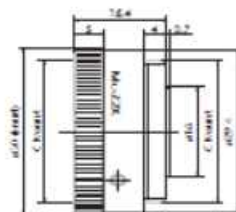
ML-Z2X

Specially designed 2x rear converter. Mounting this between a lens and camera can double the magnification easily without changing working distance.

*May decrease the resolution.



ML-Z2X



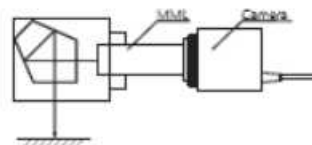
Prism Adapter

MML-P5

90° side view pentaprism type adapter. Monitor images are shown in an upright, normal position by the pentaprism.



MML-P5



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