



12.5X Continuous Zoom Lens

LZL-12101

For semiconductor, automation, electronics and communications applications.

LZL-12101

PRODUCT INTRODUCTION

- ◆ Telecentric optical design; optical magnification 0.58X-7.5X; zoom ratio 12.5:1.
- ◆ With a 2/3-inc Based on a 2/3-inch camera, the field of view reaches 1.467-18.333 mm.
- ◆ Excellent optical performance: high resolution, low distortion and high N.A.
- ◆ Compact structure for easy integration and installation.

FEATURES

COAXIAL EPISCOPIC ILLUMINATION

Infinity-corrected parallel illumination provides shadow-free lighting.

Uniform illumination improves magnified image quality.

Coaxial illumination gives a very clear view, especially with high-resolution cameras.

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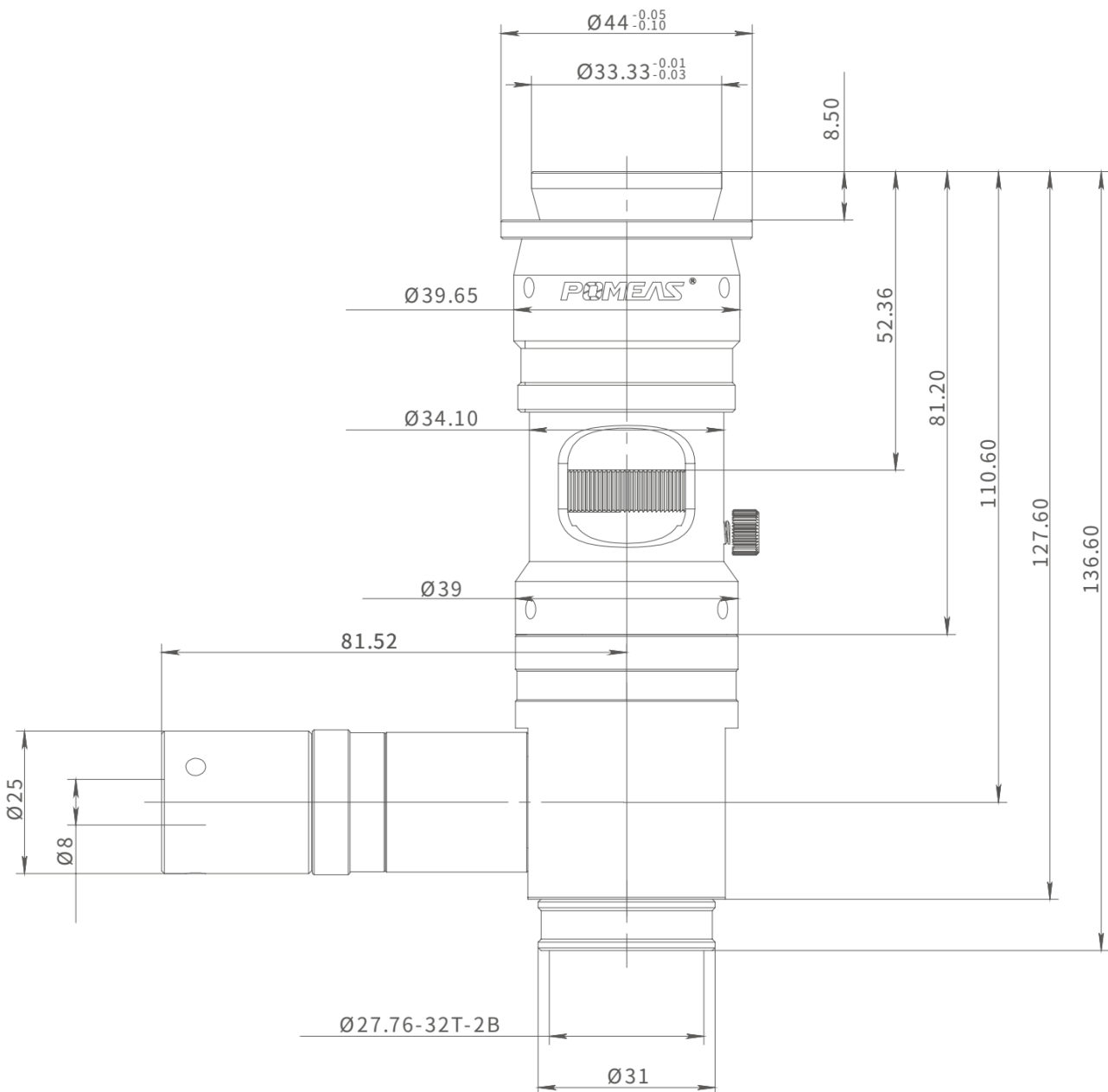
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PRODUCT SPECIFICATIONS

Model	LZL-12101															
Category	Manual + coaxial															
Optical magnification	0.58X~7.5X															
Working distance	77.4±2mm															
Magnification	0.58X	0.6X	1.0X	1.5X	2.0X	2.5X	3.0X	3.5X	4.0X	4.5X	5.0X	5.5X	6X	6.5X	7X	7.5X
Depth of field (mm)	2.75	2.67	0.95	0.43	0.27	0.2	0.15	0.12	0.1	0.081	0.073	0.066	0.061	0.056	0.052	0.05
N.A.	0.025	0.025	0.043	0.063	0.074	0.082	0.09	0.097	0.1	0.11	0.11	0.11	0.11	0.11	0.11	0.11
F.NO.	12.5	12.5	11.85	11.95	13.65	15.3	16.5	18.4	19.9	20.4	22.45	22.7	26.8	29.4	31.7	33.9
Resolution (μm)	13	13	7.8	5.3	4.53	4.09	3.73	3.46	3.36	3.05	3.05	3.05	3.05	3.05	3.05	3.05
TV distortion	0.050%	0.050%	0.002%	0.010%	0.020%	0.003%	0.020%	0.020%	0.018%	0.020%	0.010%	0.010%	0.001%	0.010%	0.005%	0.005%
Field of view (mm)	Diagonal	18.97	18.33	11.00	7.33	5.50	4.40	3.67	3.14	2.75	2.44	2.20	2.00	1.83	1.69	1.47
	Horizontal	15.17	14.67	8.80	5.87	4.40	3.52	2.93	2.51	2.20	1.96	1.76	1.60	1.47	1.35	1.17
	Vertical	11.38	11.00	6.60	4.40	3.30	2.64	2.20	1.89	1.65	1.47	1.32	1.20	1.10	1.02	0.88
Maximum compatible sensor	2/3"															
Mount	C mount															
Zoom method	Manual zoom															
Focus adjustment	\															

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PRODUCT DIMENSIONS



Unit: mm	Scale: 1:1	Model	LZL-12101
Projection:	Weight	Name	
		Date	2019/08/21

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