



12.5X Continuous Zoom Lens

LZL-12105

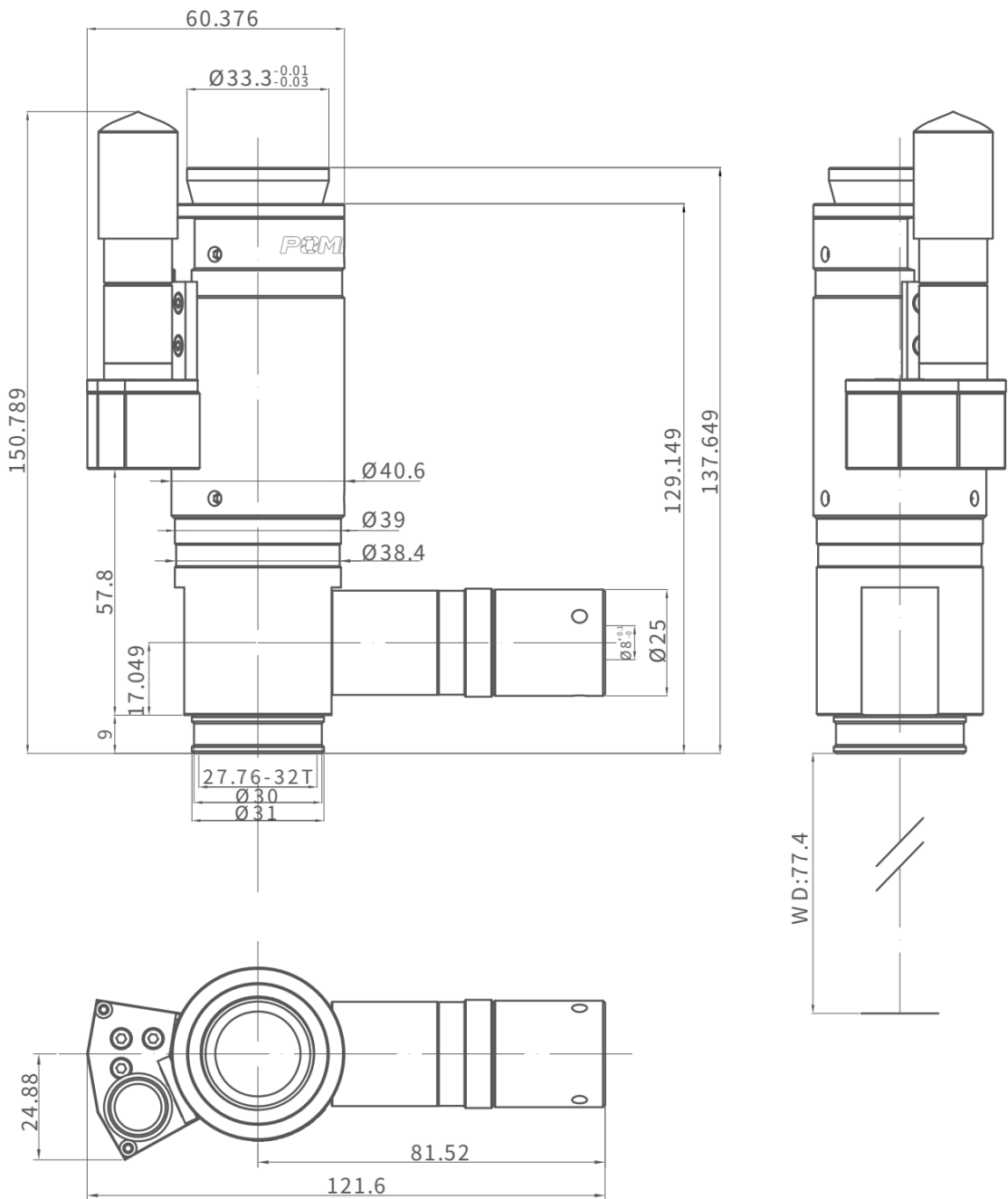
For semiconductor, automation, electronics and communications applications.

LZL-12105PRODUCT 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.

PRODUCT SPECIFICATIONS																
Model	LZL-12105															
Category	Motorized + 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	Motorized zoom															
Focus adjustment	\															

LZL-12105PRODUCT DIMENSIONS



Unit: mm	Scale: 1:1	1:1
Projection:	Name	LZL-12105
	Date	2015/01/14

变倍镜头MOTOR WIRING DIAGRAM

管脚	说明
1	Motor Windin Negative
2	GND
3	Motor winding positive
4	Encoder output channel A
5	无
6	Encoder power input (+5 V)
7	无
8	Encoder output channel B
9	无

