

12.5X Zoom Lens Series

PMS-Z125M-C

1. Telecentric optical design. Magnification range: 0.58x-7.5x, magnification ratio is 12.5:1
2. Field of view: 1.47-18.97mm(based on 2/3"CCD)
3. Excellent performance, with high resolution, low distortion and super big N.A.
4. Compact design,easy assembly and installation.

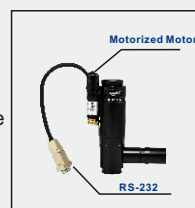


Function and Feature



■ Coaxial Illumination

- Infinity parallel incident light, with shadow-free and uniform illumination
- High contrast and vivid color image, for better image quality
- Applied for reflective surface observation: waters, polishing samples, deep holes, etc



■ Motorized Zoom

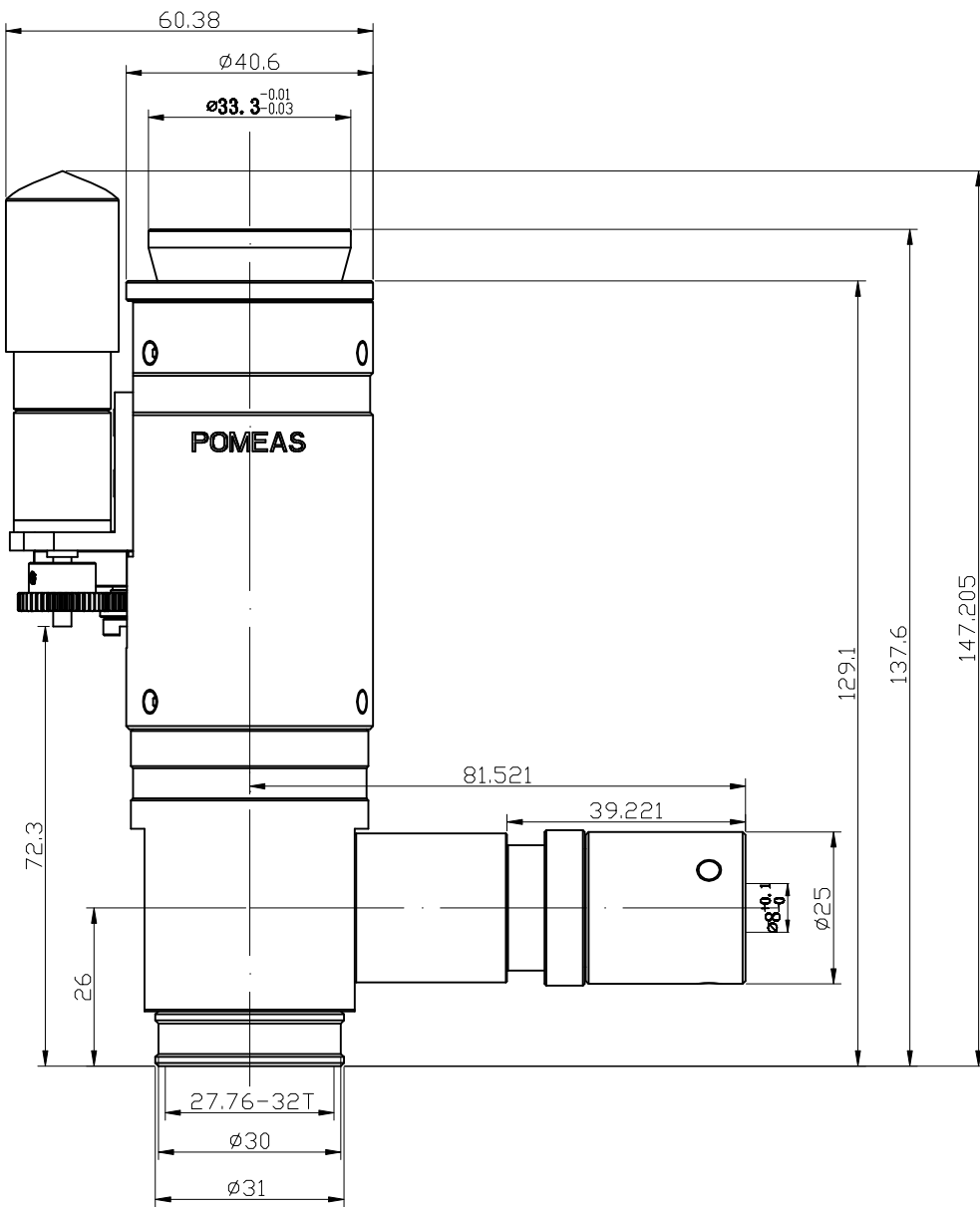
- High speed in zoom and focus and high accuracy in repetitive positioning
- Imported DC servo motor, closed-loop control
- Stable quality even in the strong vibration environment





■ Motorized Controller

- The integrated motorized control systems are available for all the POMEAS zoom lenses.
- Motorized controlling system can control single or dual channels via RS232 or USB;
- Underlying sourcing code will be provided.

Code		PMS-Z125M/C															
Type		Motorized With Coaxial Illumination															
Optical Magnification Range		0.58X~7.5X															
Working Distance		84 ± 2mm															
Optical Magnification		0.58X	0.6X	1X	1.5X	2X	2.5X	3X	3.5X	4X	4.5X	5X	5.5X	6X	6.5X	7X	7.5X
Depth of View(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(um)		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	1.57	1.47
	Horizontal	15.17	14.67	8.8	5.87	4.40	3.52	2.93	2.51	2.20	1.96	1.76	1.60	1.47	1.35	1.26	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	0.94	0.88
Max. Sensor Size		2/3"															
Mount		C-Mount															
Zoom Control		Motorized Zoom															
Focus Control		--															



Unit:mm	Scale	1:1
 	Name	PMS-Z125M-C
0.0 1.0 Inch	Date	2012.2.21
0.0 25.0 mm	POMEAS	