



PMS-Z125M-CH12

With the perfect combination of high resolution and big magnification ratio, the most universal zoom lens is widely used in various industry applications.

12.5X Zoom Lens Parameter

Magnification	0.58X~7.5X																
Working Distance	77.4±2mm																
Optical 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	
DOF(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%	0.20%	0.018%	0.020%	0.010%	0.010%	0.001%	0.010%	0.005%	0.005%	
FOV(mm) D x H x V	Diagonally	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 Line	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	1.26	1.17
	Vertical Line	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																

PRODUCT ADVANTAGES

- Professional optical design, optical magnification 0.58x-7.5x, magnification ratio 12.5:1.
- Big FOV application, based on 2/3" camera.
- Compact structure, easily for assembly and installation.

CONTROLLER BOX

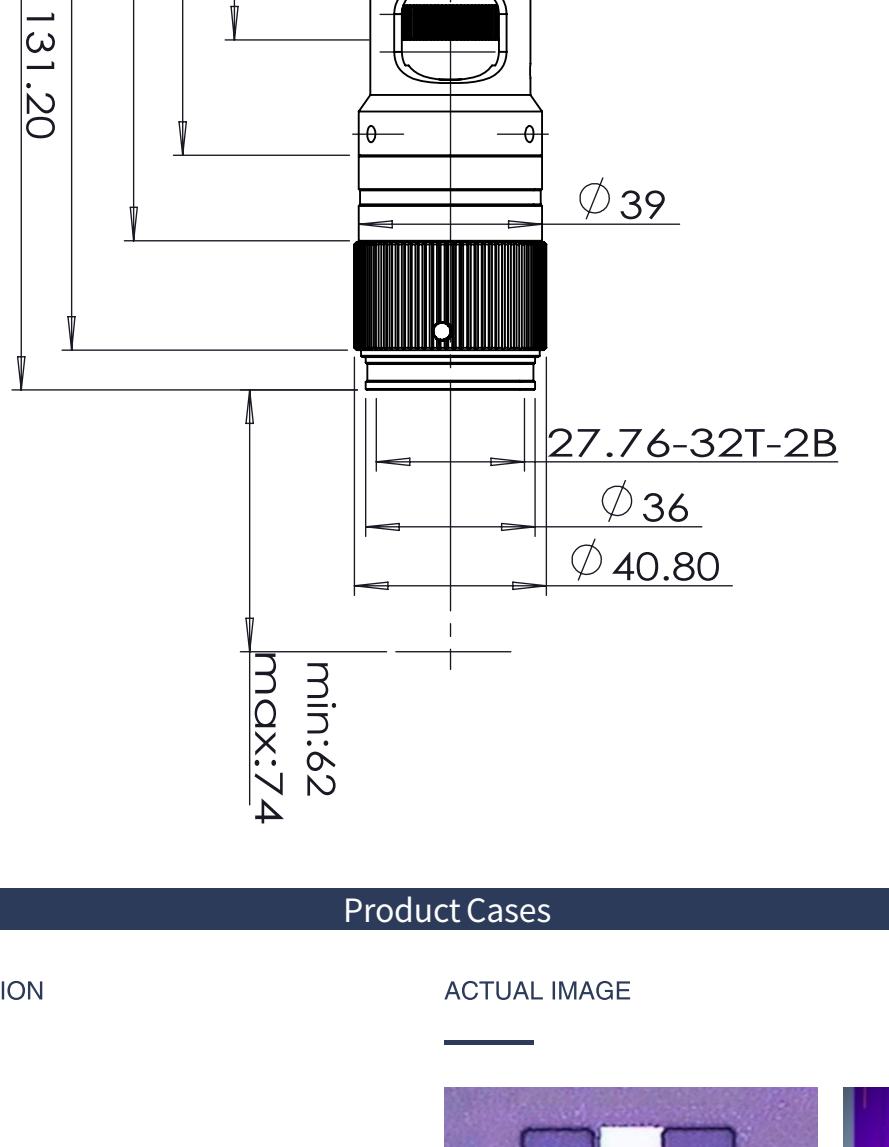
The integrated motorized control system is suitable for all the POMEAS zoom lenses. Motorized controlling system can control single or dual shafts via RS232 or USB. The underlying software code for the OEM platform will also be provided.

APPLICATION FIELDS

It can be used in Semiconductor Automation, Electronic Communication and other industries.

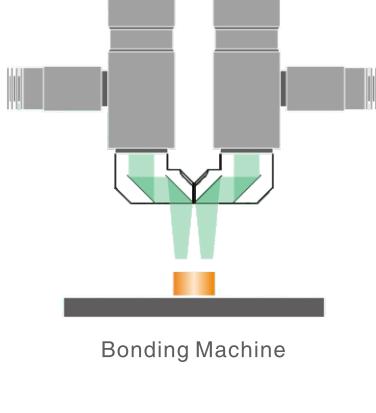
Dimension Drawing

Unit:mm



Product Cases

EXAMPLES OF APPLICATION



Bonding Machine

ACTUAL IMAGE

