



PMS-Z125C

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

12.5× Zoom Lens Parameter																
Number		Continuous Zoom Lens														
Magnification		0.58×~7.5×														
Working Distance		77.4±2mm														
Optical Magnification		0.58×	0.6×	1.0×	1.5×	2.0×	2.5×	3.0×	3.5×	4.0×	4.5×	5.0×	5.5×	6×	6.5×	7.5×
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	0.05
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
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	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
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%
FOV(mm) D×H×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	1.47
	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	1.17
	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	0.88
Max. Sensor Size		2/3"														
Mount		C-Mount														
Mode of zoom		Manual Zoom														
Focus Adjustment		/														
Operating Environment		Temperature-10°C~+50°C; Humidity: 30-80% (no Condensation)														

PRODUCT ADVANTAGES

- Professional optical design, optical magnification 0.58×-7.5×, magnification ratio 12.5:1.
- Big FOV application, based on 2/3" camera.
- Compact structure, easy to assemble and install.

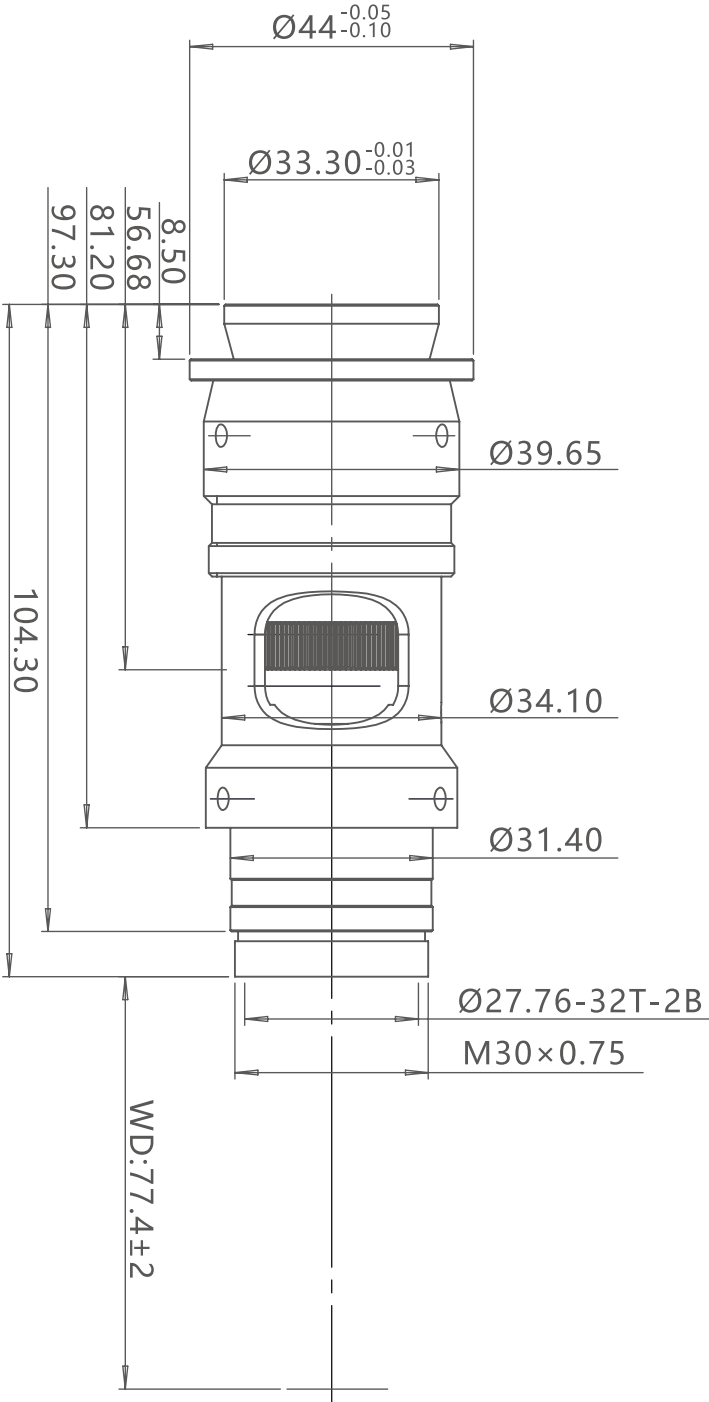
APPLICATION FIELDS

It can be used in semiconductor, automation, electronic communication and other industries.

CONTROLLER BOX

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

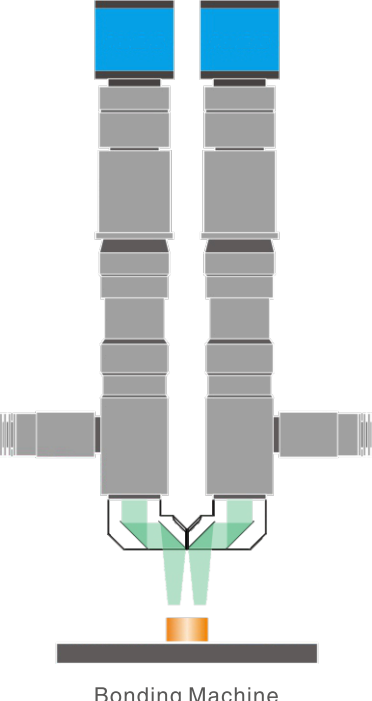
Dimension DrawingUnit:mm



Technical drawing showing the dimensions of the PMS-Z125C zoom lens. The drawing includes a side view with dimensions: Ø44^{-0.05/-0.10}, Ø33.30^{-0.01/-0.03}, 8.50, 56.68, 81.20, 97.30, 104.30, Ø39.65, Ø34.10, Ø31.40, Ø27.76-32T-2B, M30×0.75, and WD:77.4±2. A top view shows a cross-shaped feature.

Product Cases

EXAMPLES OF APPLICATION



Bonding Machine

ACTUAL IMAGE

