



PMS-Z125D-CH12

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

12.5× Zoom Lens Parameter																	
Magnification		0.58×~7.5×															
Working Distance		Min:62±2mm Max:74±2mm															
Optical Magnication		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×	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	0.052	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×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	1.57	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															
Operating Environment		Temperature:-10°C~+50°C; Humidity: 30-80% (no Condensation)															

PRODUCT ADVANTAGES

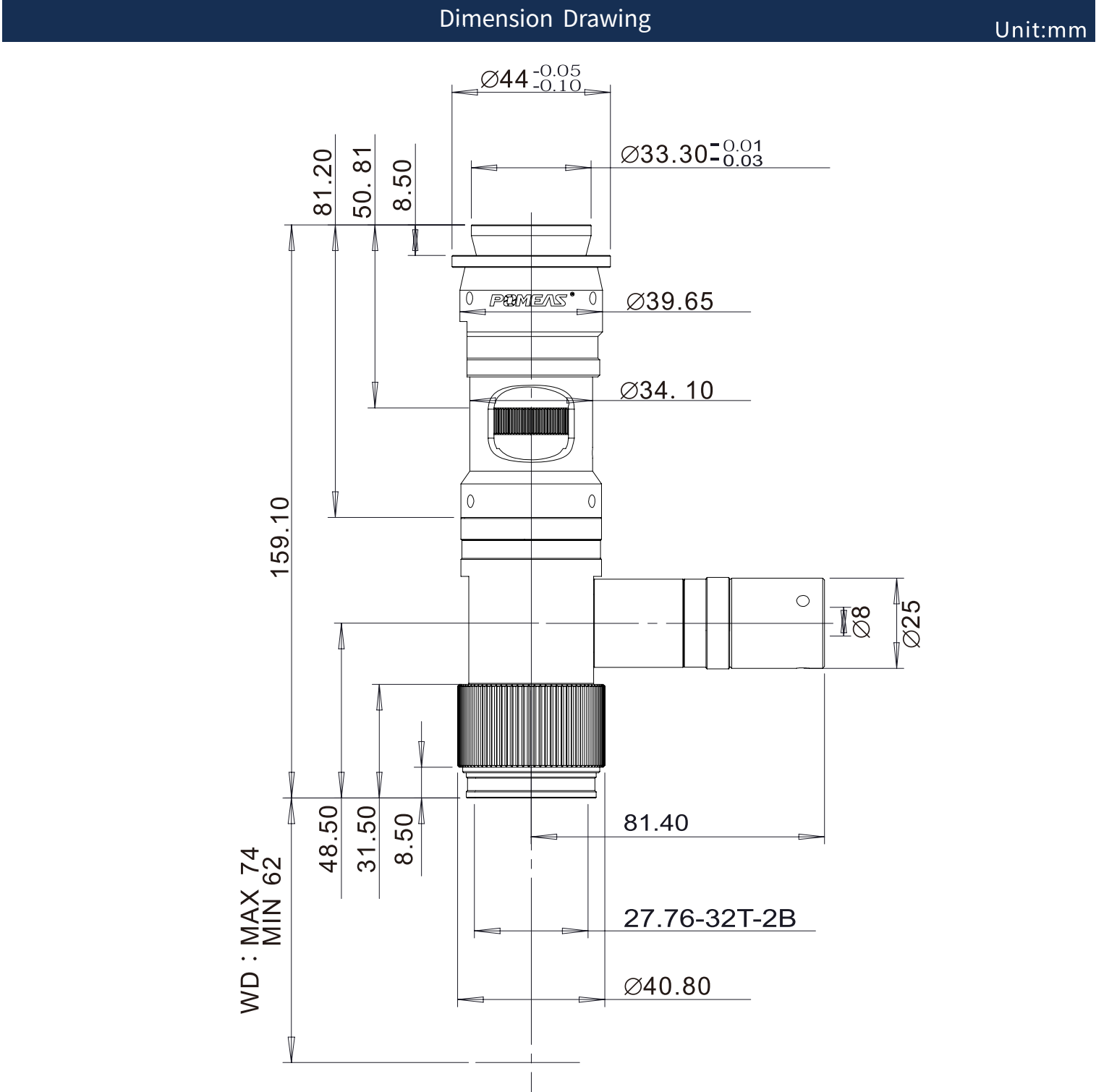
- Professional optical design,optical magnification 0.58×-7.5×,magnification ratio 12.5:1.
- Big FOV application, based on 2/3" camera.
- Compact structure,easily for assembly and installation.

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 RS212 or USB. The underlying software code for the OEM platform will also be provided.

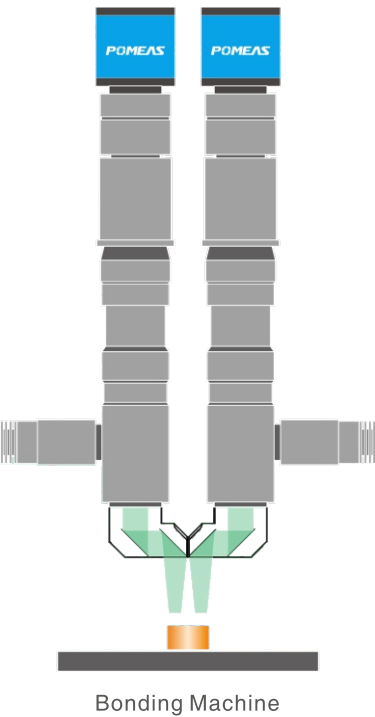
APPLICATION FIELDS

It Can Be Used in Semiconductor Automation, Electronic communication And Other industries.



Product Cases

EXAMPLES OF APPLICATION



ACTUAL IMAGE

