



PMS-Z125M-CH12M

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

12.5× Zoom Lens Parameter																
Number		Dual Motor Electric Zoom Lens														
Magnification		0.58×~7.5×														
Working Distance		Min:70±2mm Max:80±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×	7.5×
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		Motorised Zoom														
Operating Environment		Temperature-10°C~+50°C; Humidity: 30-80% (no Condensation)														

PRODUCT ADVANTAGES

- Professionaloptical 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.

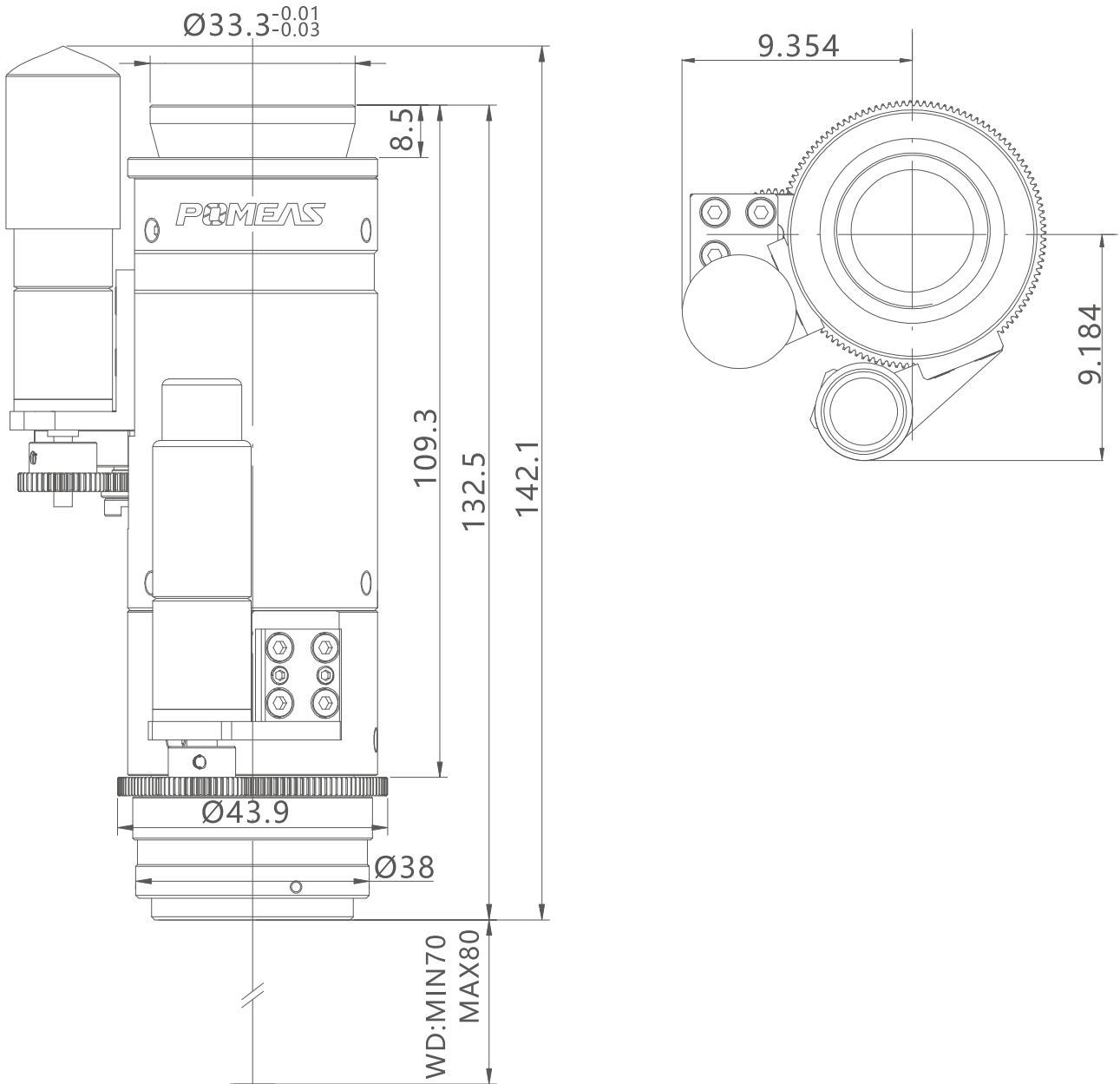
APPLICATION FIELDS

It Can Be Usedin Semiconductor Automation, Electroniccommunication And Otherindustries.

CONTROLLER BOX

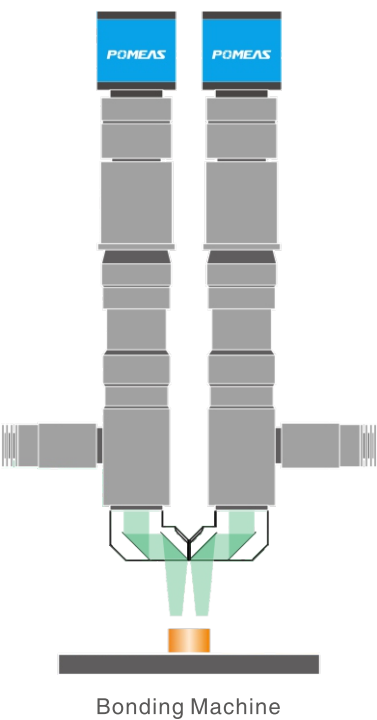
Theintegrated motorized controlsystemis suitable for all the POMEAS zoomlenses.Motorized controlling system cancontrol single or dual shafts via RS212 orUSB. The underlying software code forthe OEM platform will also be provided.

Dimension DrawingUnit:mm



Product Cases

EXAMPLES OF APPLICATION



ACTUAL IMAGE

