



PMS-Z14

Higher zoom ratio, low magnification can observe a larger field of view, high magnification has a higher resolution;

Ultra-low distortion design, no need for distortion correction to obtain high-precision data;

Fully support 2/3 inch target surface, high uniformity of imaging screen;

Absolute zero control technology, to ensure that the reset back to zero magnification consistency;

Precise product tuning to ensure that each shipping lens has the best performance.

14× Zoom Lens Parameter										
Name		14×Continuous Zoom Lens								
Optical Magnification		0.55×~7.6×								
Working Distance (mm)		77.8±2mm								
Optical Magnification		0.55×	1×	2×	3×	4×	5×	6×	7×	7.6×
Depth Of Field		3.16	0.98	0.26	0.14	0.09	0.07	0.06	0.05	0.04
N.A.		0.023	0.041	0.078	0.096	0.11	0.12	0.12	0.12	0.12
F.No.		11.96	12.20	12.82	15.63	18.18	20.83	25.00	29.17	31.67
Resolution (μm)		14.59	8.18	4.30	3.49	3.05	2.80	2.80	2.80	2.80
TV Distortion		<0.02%	<0.02%	<0.04%	<0.04%	<0.04%	<0.02%	<0.02%	<0.02%	<0.02%
Field Of View (μm)	1/3"	10.91×8.73×6.55	6.00×4.80×3.60	3.00×2.40×1.80	2.00×1.60×1.20	1.50×1.20×0.90	1.20×0.96×0.72	1.00×0.80×0.60	0.86×0.69×0.51	0.79×0.63×0.47
	1/2"	14.55×11.64×8.73	8.00×6.40×4.80	4.00×3.20×2.40	2.67×2.13×1.60	2.00×1.60×1.20	1.60×1.28×0.96	1.33×1.07×0.80	1.14×0.91×0.69	1.05×0.84×0.63
	2/3"	20.00×16.00×12.00	11.00×8.80×6.60	5.50×4.40×3.30	3.67×2.93×2.20	2.75×2.20×1.65	2.20×1.76×1.32	1.83×1.47×1.10	1.57×1.26×0.94	1.45×1.16×0.87
Maximum Image Plane		2/3"								
Illumination Method		Coaxial Lighting								
Zoom Mode		Manual/Electric								
Interface Type		C-Mount								
Operating Environment		Temperature:-10°C~+50°C; Humidity: 30-80% (no Condensation)								

Note: Depth of field is a theoretically calculated value, evaluated with a diffusion class of .mm;

