



12.5× Linear Zoom Lens Parameter Table																	
Magnification Range		0.58×~7.5×															
Working Distance(mm)		77.4±2mm															
Magnification		0.58×	0.6×	1×	1.5×	2×	2.5×	3×	3.5×	4×	4.5×	5×	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%	0.020%	0.018%	0.020%	0.010%	0.010%	0.001%	0.010%	0.005%	0.005%
2/3" FOV(mm)	2/3"	18.97	18.33	11	7.33	5.5	4.4	3.67	3.14	2.75	2.44	2.2	2	1.83	1.69	1.57	1.47
	1/2"	15.17	14.67	8.8	5.87	4.4	3.52	2.93	2.51	2.2	1.96	1.76	1.6	1.47	1.35	1.26	1.17
	1/3"	11.38	11	6.6	4.4	3.3	2.64	2.2	1.89	1.65	1.47	1.32	1.2	1.1	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

- High zoom ratio, up to 12.5×;
- Use the guide rail structure to eliminate the restriction of the zoom steps;
- High contrast. Core-adjusting method is used to solve the influence of optical element center deviation on image contrast;
- Quick and accurate zooming.

APPLICATION FIELDS

Widely used in biology, electronics, semiconductor, machine vision and other high-precision industries.

