

NEW MACRO ZOOM LENS

*Outstanding
Resolution!*



New High Resolution Macro Zoom Lens

TS-93030

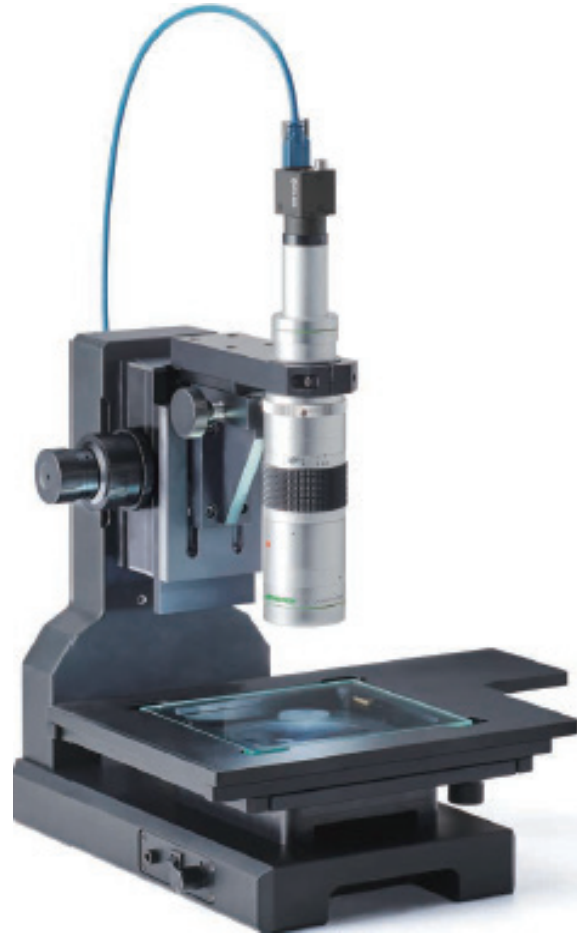
- By adding more lens elements compared to our previous 8x zoom lens, we've achieved significantly higher resolution. Specifically, resolution at maximum magnification has doubled compared to the previous version, enabling diffraction-limit resolution.
- Thoroughly suppressing chromatic aberration and spherical aberration, clear contrast is achieved, and even when zoomed in, the image remains bright and sharp

TS-93030

Dimension



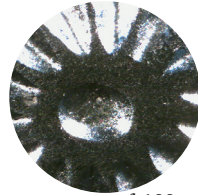
TS-93030 + Stand · Camera Setup Example



※The camera and stand are for the reference



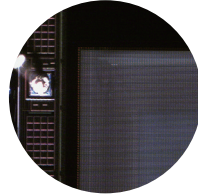
Flower engrave of 100 yen coin
Low Mag



Flower engrave of 100 yen coin
High Mag



Camera sensor element
Low Mag



Camera sensor element
High Mag

Item		New High Resolution Macro Zoom Lens					
Optical Total length (First lens - Image plane)		272.5mm					
The number of lenses		22 pcs					
Mount · Sensor size		C-Mount · 2/3inch(Φ11)					
Zoom Position	WIDE		MID		TELE		
Zoom Ratio	0.8		×8		6.4		
Optical Magnification	0.8		2.25		6.4		
Field of View (V×H mm)	2/3"	8.3	11.0	2.9	3.9	1.0	1.4
	1/2"	6.0	8.0	2.1	2.8	0.8	1.0
	1/3"	4.5	6.0	1.6	2.1	0.6	0.8
	1/4"	3.4	4.5	1.2	1.6	0.4	0.6
WD (mm)	84						
	356.3						
Object side Na	0.04		0.11		0.18		
Image side Na	0.05		0.05		0.03		
Object side Resolution (μm)	8.39		2.97		1.92		
Image side Resolution (μm)	6.75		6.71		11.77		
Object side Resolving power (Lines/mm)	119		337		522		
Image side Resolving power (Lines/mm)	149		149		85		

Resolution is Rayleigh resolution.