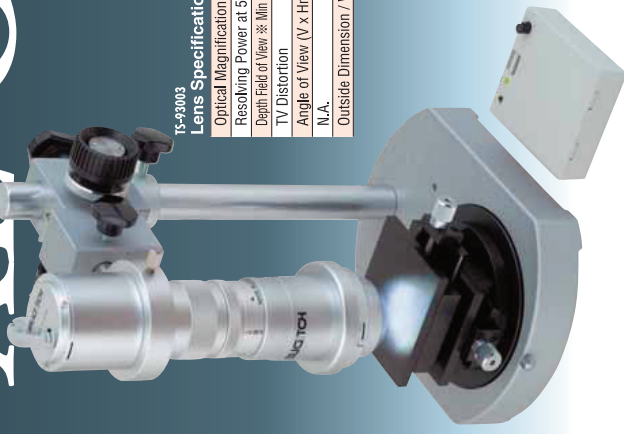


TS-XI-CZ3



TS-93003 Lens Specifications

Optical Magnification	0.65x - 5.20x
Resolving Power at 550nm	14 - 16
Depth Field of View ※ Min Circle 0.94mm	2.004mm - 0.037mm
TV Distortion	0.16% - 0.05%
Angle of View (V x H:mm)	7.39 x 9.85 - 0.92 x 1.23mm
N.A.	0.0236 - 0.0202
Outside Dimension / Weight	320x L = 112mm / 85g.

Basic Set

Description	P/N	Specifications
High Mag. Macro Zoom Lens	TS-93003-CZ5	High Mag. Macro Zoom lens
Stand Adapter	TS-ST-4	Insert to Rack & Pinion · with Tripod Thread
Mega Pixels USB Camera	TS-CA-130M III	1.3M Pixels USB Camera · 1/2" · C-Mount
Rack & Pinion	TS-ST-8	Z-Axis, Rough - Up 30mm · Down 10mm
LED Ring Lights for CZ5	TS-LA-CZ5	White LED Ring 18 Lights
Power Supply for LED Lights	TS-8L-LCC	Battery Box with Light Control
Small Camera Stand	TS-0147NH	Polb = 20φmm · L = 300mm
Small XY Stage	TS-0143	Both Axes ±28mm · Load 4.0 Kgs.

Interchangeable Front Converter Lenses

Description	P/N	Angle of View and W.D. for TS-93005
TS-93008	TS-93009	0.45 x 0.6 - 3.75 x 5.0 · W.D. 25mm
TS-93009	TS-93010	0.3 x 0.4 - 2.5 x 3.0 · W.D. 15mm
TS-93010	TS-93011	0.23 x 0.3 - 1.87 x 2.5 · W.D. 12mm
TS-93011	TS-93012	0.15 x 0.2 - 1.25 x 1.67 · W.D. 8mm

Fixed W.D. for TS-93003

Description	P/N	Optical Magnification and W.D.
W.D. 50mm	TS-WD-50	0.4x - 3.240x · W.D. 50mm
W.D. 75mm	TS-WD-75	0.280x - 2.240x · W.D. 75mm
W.D. 100mm	TS-WD-100	0.214x - 1.712x · W.D. 100mm

Interchangeable Extender Lenses



TS-16-0



TS-16-1



TS-17-1M

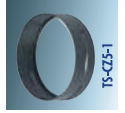


TS-17-2

※ Usable all Zoom Lenses

Description	P/N	Specifications (No influence in W.D.)
1.5x	TS-16-0	L = 4.1mm (except Thread Part) · C-Mount
2.0x	TS-16-1	L = 13.1mm (except Thread Part) · C-Mount
3.0x	TS-17-1M	L = 9.0mm (except Thread Part) · C-Mount
5.0x	TS-17-2	L = 30.0mm (except Thread Part) · C-Mount

Interchangeable Lights · Diffuser · Polarizer



TS-CZ5-1



TS-CZ5-2



TS-CZ5-3



TS-CZ5-4



TS-LA-40-1



TS-LA-40



TS-LA-50



TS-LAS/LED-104L

Description	P/N	Specifications
Filter Frame	TS-CZ5-1	44mmφ Diffuser/Polarized Frame, Available TS-LA-CZ5
Diffuser Filter	TS-CZ5-2	39.5mmφ Doughnut type, Diffuser
Polarized Filter	TS-CZ5-3	39.5mmφ Doughnut type, Polarizer
Area Polarized Filter	TS-CZ5-4	18mmφ Polarizer at Top of Zoom Lens
Adapter for LED Light	TS-LA-40-1	Adapter for LED Ring Lights, Screw type
LED Ring 60 Lights	TS-LA-40	White LED 60 Lights
LED Ring 90 Lights	TS-LA-50	White LED 90 Lights
Power Supply for LED Lights	TS-LAS/LED-104L	Power Supply, 110-220V with Light Volume Control

Variety of Original CZ5



TS-93003-CZ5 · USB Camera

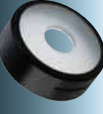


TS-LA-CZ5

When taking off TS-93003-CZ5 from Stand and putting Acrylic Tube at LED Lights, available Hand-Carry. (The Acrylic Tube is made to meet Working Distance.)

Handy Type

※ No use as Hand-Carry when putting Front Converter because of W.D. changed.)



Available to put Diffuser and Polarizer to LED Lights.

TS-CZ5-1 (Frame) and TS-CZ5-2 (Diffuser)



Normal Barrel → with LED Adapter (TS-LA-40-1) → with LED Ring Lights

The basic set is with TS-LA-CZ5 LED 18 Lights, but available to put 60 and 90 Lights, also. In this case, need to put TS-LA-40-1 Adapter for LED Ring Lights. Available to put Diffuser and Polarizer for LED Lights.



TS-93001-CII (Coaxial Incident Light Barrel)

Need the TS-93001-CII to observe Metal and Mirror Surfaces. The W.D. is 36.5mm only and to have long W.D., need to put Front Converter Lens. We have High Brightness 1 Head 1.4W White LED 100.

TS-WD-50/75/100: Long Working Distance TS-WD-30/75/100

※ Power Supply with Light Control