

BK-POL Series Polarizing Microscope

- Also named mineralogical microscope, is necessary for researching double refraction sample, which is widely used in geology, mineral, chemical industry, medical, drug, criminal investigation fields etc.



BK-POL(Halogen/LED version)



BK-POLF(Halogen version)



BK-POLR(Halogen version)



BK-POL-TR(Halogen/LED version)



BK-POLF-TR(Halogen version)



BK-POLR-TR(Halogen version)



BK-POLR(LED version)



BK-POLR-TR(LED version)



BK-POLF-TR(LED version)



BK-POLF(LED version)



- Professional binocular head can keep the cross in the right-hand eyepiece always same when the eyepiece tubes turned.

- Analyzer unit: 360° rotatable analyzer with division, can be locked and moved out of the light path.

- Bertrand lens, Built In, focus adjustable



- POL-YDCLK Attached polarizing mechanical stage: professional design for laboratory's user to avoid objective hitting

- Compensator: Quartz wedge, First class red slip, $\lambda/4$ slip. Swing-out condenser, Swing the lens in to get excellent image when using high power objective to make observation.



- POL-YDC Attached polarizing mechanical stage



- Centering nosepiece, non-stress infinity plan objective.

- Rotatable 360° stage, division 1°, vernier division 6', adjustable center which can be locked.

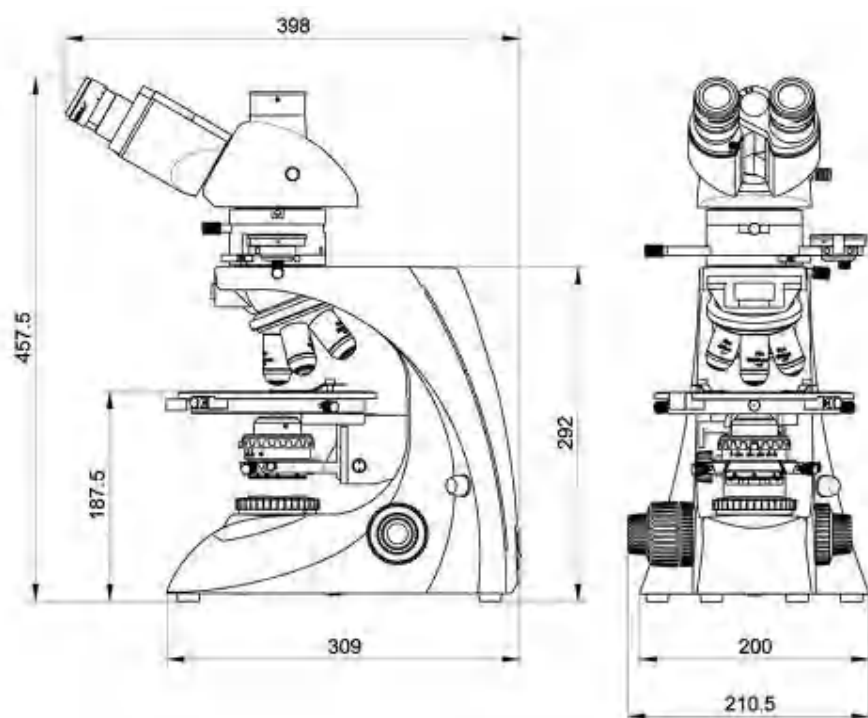
- Polarizing unit: rotatable 360°, scaled, can be locked.



● Objective Specification: ("●" is standard outfits, "○" is optional accessories.)

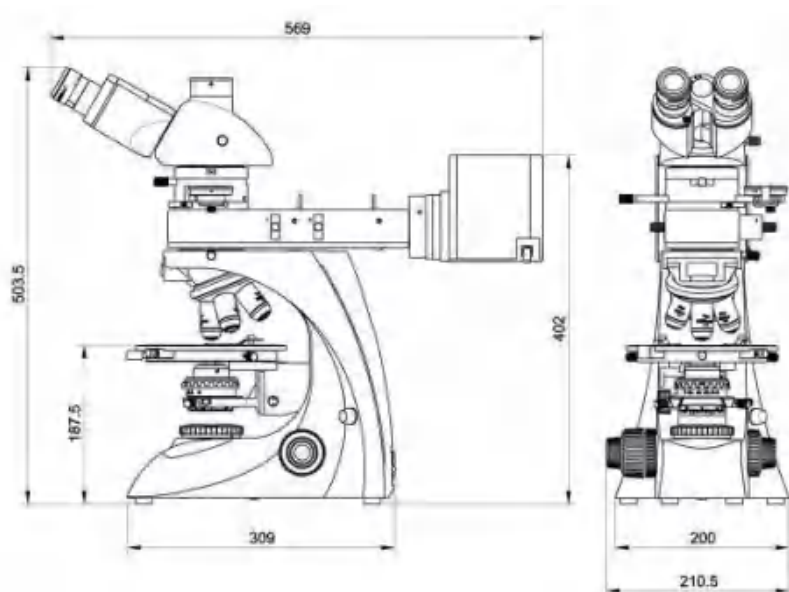
"T" means transmitting "R" means reflecting "T&R" means transmitting and reflecting

	Objective	N.A.	Working distance(mm)	BK-POL (T)	BK-POLF (R)	BK-POLR (T&R)
Non-stress Infinity Plan Objective (Transmitting)	PLAN 4X	0.10	12.10	●		●
	PLAN 10X	0.25	4.64	●		●
	PLAN 20X (S)	0.40	2.41	●		●
	PLAN 40X (S)	0.66	0.65	●		●
	PLAN 60X (S)	0.80	0.33	○		○
	PLAN 100X (S, Oil)	1.25	0.12	○		○
Non-stress LWD Infinity Plan Objective (Reflecting)	LMPlan FL 5× (Semi Apochromatic Objective)	0.15	21.00		●	○
	LMPlan FL 10× (Semi Apochromatic Objective)	0.30	20.00		●	○
	LMPlan FL 20× (Semi Apochromatic Objective)	0.40	15.00		●	○
	LMPlan FL 50× (Semi Apochromatic Objective)	0.75	4.25		●	●
	LMPlan 100× (Dry) (Semi Apochromatic Objective)	0.85	3.00		○	○

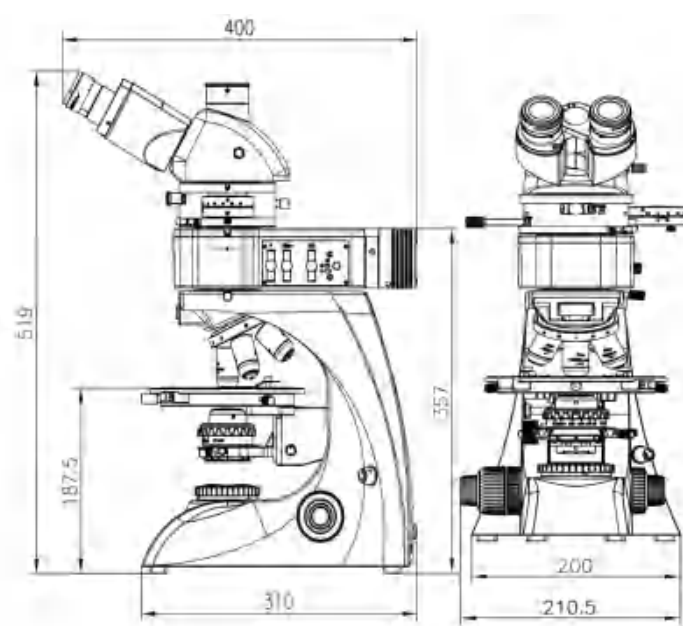


BK-POL Transmitting Polarizing Microscope Size(mm)

BK-POL R Transmitting & Reflecting Polarizing Microscope Size(mm)

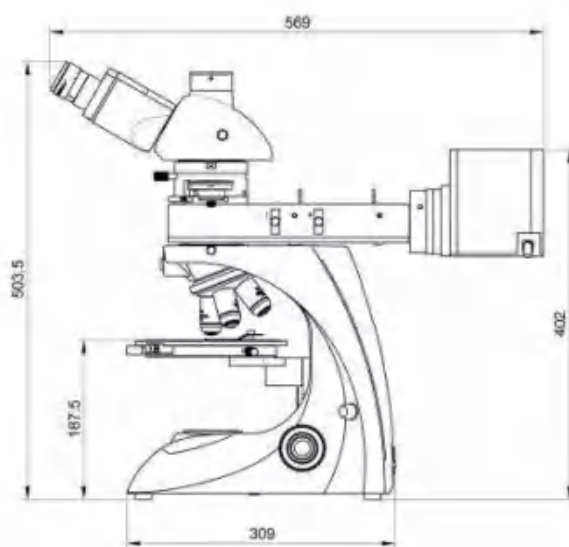


Haolgen Version

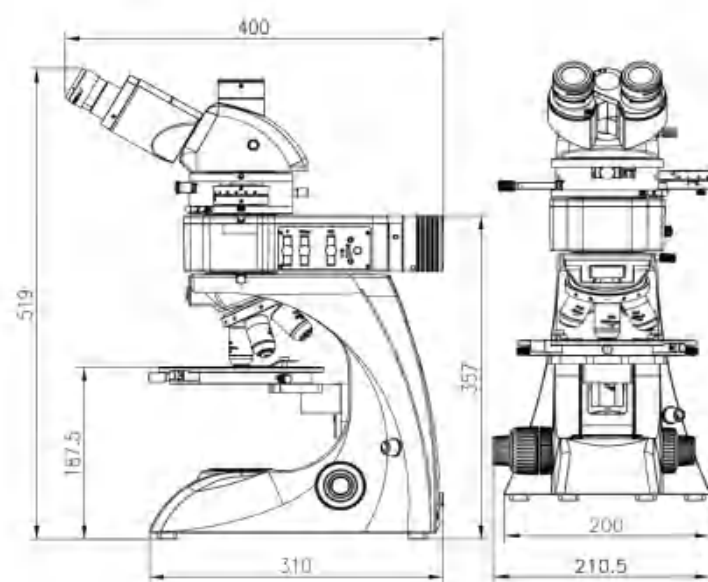


LED Version

BK-POL F Reflecting Polarizing Microscope Size(mm)

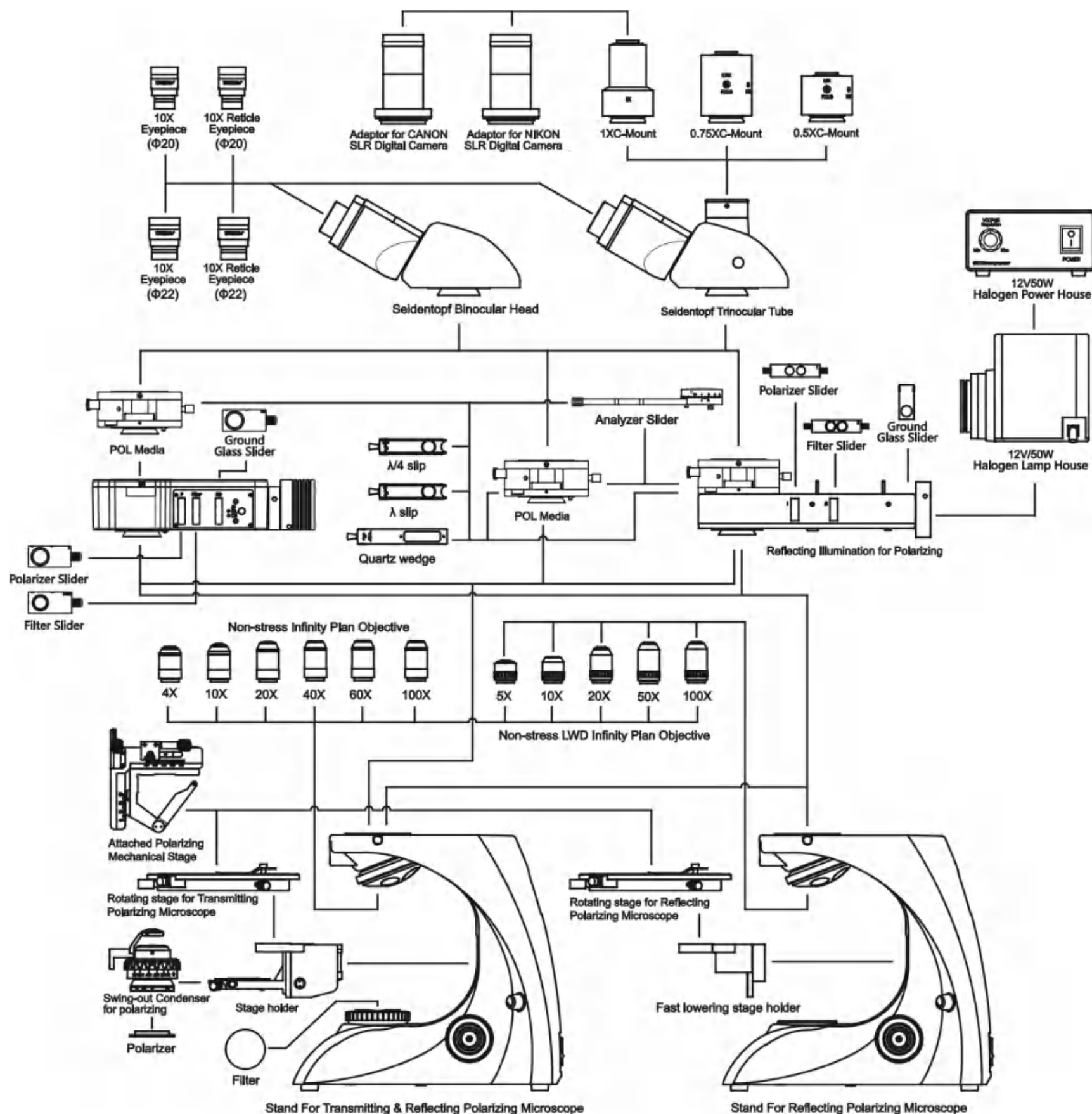


Halogen version



LED version

BK-POL Series Polarizing Microscope General Layout Diagram



BK-POL Series Polarizing Microscope Outfits

Item	Specification	BK-POL	BK-POLF	BK-POLR
Eyepiece	WF10X／22mm （adjustable）	●		
	WF10X／22mm （adjustable, reticule 0.1mm）	●		
	WF10X／20mm （adjustable）		●	●
	WF10X／20mm （adjustable, reticule 0.1mm）		●	●
Professional Polarizing Seidentopf Binocular Head	Inclined 30°, rotatable 360°, Interpupillary distance: 48mm ~ 76mm	●	●	●
Professional Polarizing Seidentopf Trinocular Head	Inclined 30°, Rotatable 360°, Interpupillary Distance : 48mm ~ 76mm, Light distribution （both） 100: 0 （100% for eyepiece） 80:20 （80% for camera port and 20% for eyepiece）	○	○	○
Non-stress Infinity Plan Objective (Transmitting)	PLAN 4X／0.10 W.D.= 12.1mm	●		●
	PLAN 10X／0.25 W.D.= 4.64mm	●		●
	PLAN 20X／0.40(S) W.D.=2.41mm	●		●
	PLAN 40X／0.66(S) W.D.=0.65mm	●		●
	PLAN 60X／0.80(S) W.D.=0.33mm	○		
	PLAN 100X／1.25(S, Oil) W.D.=0.12mm	○		
Non-stress LWD Infinity Semi Apochromatic Plan Objective (Reflecting)	LMPlan FL 5×/0.15 W.D=21.00mm		●	○
	LMPlan FL 10×/0.30 W.D.= 20.00mm		●	○
	LMPlan FL 20×/0.40 W.D.= 15.00mm		●	○
	LMPlan FL 50×/0.75 W.D.= 4.25mm		●	●
	LMPlan 100×/0.85 （Dry） W.D.= 3.00mm		○	○
Nosepiece	Quintuple （center adjustable）	●	●	●
POL Media	Analyzer rotatable 360°, module type, can be locked	●	●	●
	Bertrand lens, Built In focus adjustable	●	●	●
Slip	λslip （First Class Red）	●	●	●
	λ/4 slip	●	●	●
	Quartz wedge （I~ IV）	●	●	●
Revolving Round Stage	Rotatable 360°, center adjustable, can be locked. division 1°, vernier division 6'. Diameter Φ174mm	●	●	●
Swing-out Condenser	N.A.0.9/0.13, polarizing unit (with scale, rotatable 360°,can be locked)	●		●
Coaxial Coarse and Fine Focusing Unit	Coarse stroke 25mm, Fine stroke per rotation:0.2mm, fine division 2 μm	●	●	●
Transmitting/ Reflecting Illumination	5WLED lamp DC input(Universal voltage:100V~240V)	●	●	●
Transmitting Illumination	12V/30W Halogen lamp(Universal voltage:100V~240V)	○		○
Reflecting Illumination	12V/50W halogen lamp(Universal voltage:100V~240V)		○	○
Filter(Φ45)	Blue/ Amber/ Green/ Neutral	○	○	○
Attached Polarizing Mechanical Stage	POL-YDC/POL-YDCLK	○	○	○
C-Mount	1X /0.75 X /0.5 X (Focus adjustable)	○	○	○

Note: "●"In Table Is Standard outfits, "○" Is Optional Accessories.

Packing Size: 542mm×265mm×355mm Gross Weight: 11 kgs Net Weight: 10kgs

Packaging Parameters	Packing Size	Gross Weight	Net Weight
BK-POL	520mm×470mm×285mm	12.5 kgs	10 kgs
BK-POL R	520mm×470mm×450mm	15.5 kgs	13 kgs
BK-POL F	520mm×470mm×450mm	15 kgs	11.5 kgs