

## XPL-3200



- **XPL-3200** polarizing microscope is utilized polarizing light to observe and research the matter which have double refraction features, enable to observe in single polarizing, orthogonal, conoscope. It can be applied in geology, chemicals, physic and leechdom fields, widely used to observe the crystal of liquid macromolecule polymer, biomedical polymer and liquid crystal. It is the ideal instrument for scientific research and universities teaching demo.

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- **Features**

- ▲ Adopt infinity optical system.
- ▲ Infinity with strain-free plan achromatic objectives, the field of view is widely and clearly.
- ▲ Wide-field plan eyepieces: field number  $\Phi 22\text{mm}$ .
- ▲ Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing:  $2\mu\text{m}$ .
- ▲ Take-down style polarizer,  $360^\circ$  rotatable, have 0,90,180,270 four scales, located down the aperture diaphragm
- ▲ Impellent style analyzer,  $360^\circ$  rotatable, push in / out from optical path conveniently
- ▲ Rotatable stage,  $360^\circ$  graduated in  $1^\circ$  increments, minimum retardation resolution  $6'$  center adjustable and with tightener.
- ▲ Wide voltage range power supply (85-265V 50/60Hz), the 6V30W halogen lamp, brightness adjustable.
- ▲ Trinocular can be observed for eyepieces and microphotography in 100% light flux, suits for low

illuminance microphotography.

### Stage

Rotund rotatable stage,  $\Phi 150\text{mm}$  diameter,  $360^\circ$  graduated (in  $1^\circ$  increments), minimum, retardation resolution  $6'$ , center adjustable and with tightener.





**Transmitted illuminating system**  
 6V30W halogen lamp, brightness adjustable.  
 Polarizer, 360° rotatable, having 0, 90, 180, 270 four scale, set under the aperture diaphragm, can take down from the optics body.



**Function spread**  
 By adding the appurtenance such as CCD adapter, digital camera adapter and single-reverse digital camera adapter etc. It can achieve high clear observation mode of camera and vidicon.

## Specification

### • Standard Configuration

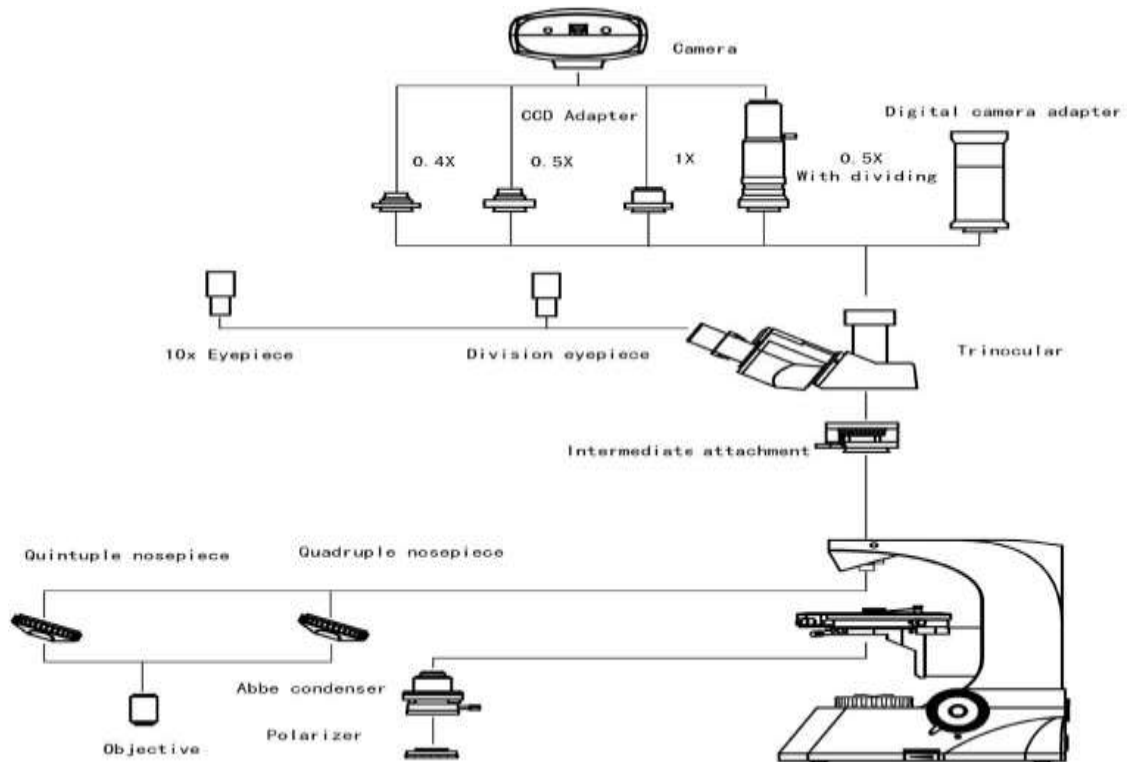
Model	XPL-3200
Eyepiece	Wide field WF10X(Φ22mm)
	Dividing eyepiece(field number:Φ22mm) 0.10mm/Div
Objective	Strain-free plan achromatic objective
	PL 4X/0.10 (Work distance) : 19.8 mm
	PL10X/0.25 (Work distance) : 5.0 mm
	PL 40X/0.65£"spring£©(Work distance) : 0.66 mm
	PL 60X/0.80£"spring£©(Work distance) : 0.45 mm
Transmitted illuminating system	6V30W halogen, brightness enable control
	Rotatable 360°, have 0,90,180,270 scale;£
	Abbe condenser N.A. is 1.25 and add iris diaphragm
stage	Rotatable stage, diameter Φ150mm, 360° graduated (in 1° increments), minimum vernier division is 6', center adjustable and with tightener.
Nosepiece	Quadruple (the center of nosepiece is adjustable )
Intermediate attachment	Integrated analyzer, can be switched to normal or polarizing observe freely, enable 0~90° rotated and minimum vernier division is 12'.
	Puller type Bertrand lens and the center adjustable.
	£, £/4 and quartz wedge compensator.
Compensator	£, £/4 and quartz wedge compensator.
Eyepiece tube	Trinocular is inclined 30° and enables to shoot in 100% light flux.

Focus system	Coaxial coarse/fine focus with tension adjustable and up stop device, minimum division of fine focusing: 2µm.
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## Optional accessories

Name	Sort/Technique parameter	NO.
Infinity objective	Strain-free plan achromatic objective	
	PL 20X/0.40 (Work distance) : 8.8mm	2820120
	PL 60X/0.80 (Work distance) : 0.46mm	2820140
Nosepiece	Quintuple(Backward ball bearing inner locating)	032004
Slide moving holder	Moving range: 30mmX25mm	116202
CCD adapter	0.4X	810001
	0.5X	810004
	1X	810002
	0.5X with dividing 0.1mm/Div	810003
Camera	DV-1 Video output £"380/520 TV line£© USB output £"0.42 M pixel£©	800001
	DV-2 With USB output £"1.3M,2.0M,3.0M pixel£©	800003
	DV-3 With video output £"380/520 TV line£©	800005
Digital camera adapter	CANON(A570,A610,A620,A630,A640,A650,EF) NIKON( F)	820001

## Diagram



# Dimensions

