

XPL-3230



- **XPL-3230** transmitted & reflected polarizing microscope is utilized polarizing light to observe and research the matter which has double refraction features, the user can make the single polarizing observation, orthogonal observation, conoscope observation. It is 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. Features

Features

- ▲ Adopt infinity optical system and modularization function design.
- ▲ Infinity long W.D plan 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: $2\mu\text{m}$.
- ▲ The polarizing unit can be moved out or into the optical path, polarizer and analyzer can be rotated from 0° to 360° .
- ▲ Rotatable stage, 360° graduated in 1° increments, minimum retardation resolution $6'$ center adjustable and with tightener Stage vertical effective movement up to 30mm.
- ▲ Wide voltage range power supply (85-265V 50/60Hz), a 6V30W halogen lamp, brightness adjustable.
- ▲ Trinocular can be observed for eyepieces and microphotography in 100% light flux, suits for low illuminance microphotography.

•



Observation System

Trinocular, single diopter adjustment, inclined 30° , can be connected to the camera.

10X wide field plan eyepiece, field $\Phi 22\text{mm}$, can provide expanse and smooth observation space. Another eyepiece is 10X division eyepiece used for proofreading the centre.

The intermediate attachment includes the impellent style of analyzer (360° rotatable with scale and fine nonius) which can be taken off from the light path and the impellent style of bertrand lens (center adjustable). It can be added λ compensator, $\lambda/4$ compensator or quarts wedge compensator.

Objective:

strain-free plan achromatic objective (no cover glass) and center adjustable.

Stage

Rotund rotatable stage, $\Phi 150\text{mm}$ diameter, 360° graduated (in 1° 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.

Reflected illuminating system

6V 30W halogen lamp, brightness adjustable. polarizer can be rotated 360°. analyzer can be rotatable 360° with scale and minimum vernier. integrated field and aperture diaphragm.



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

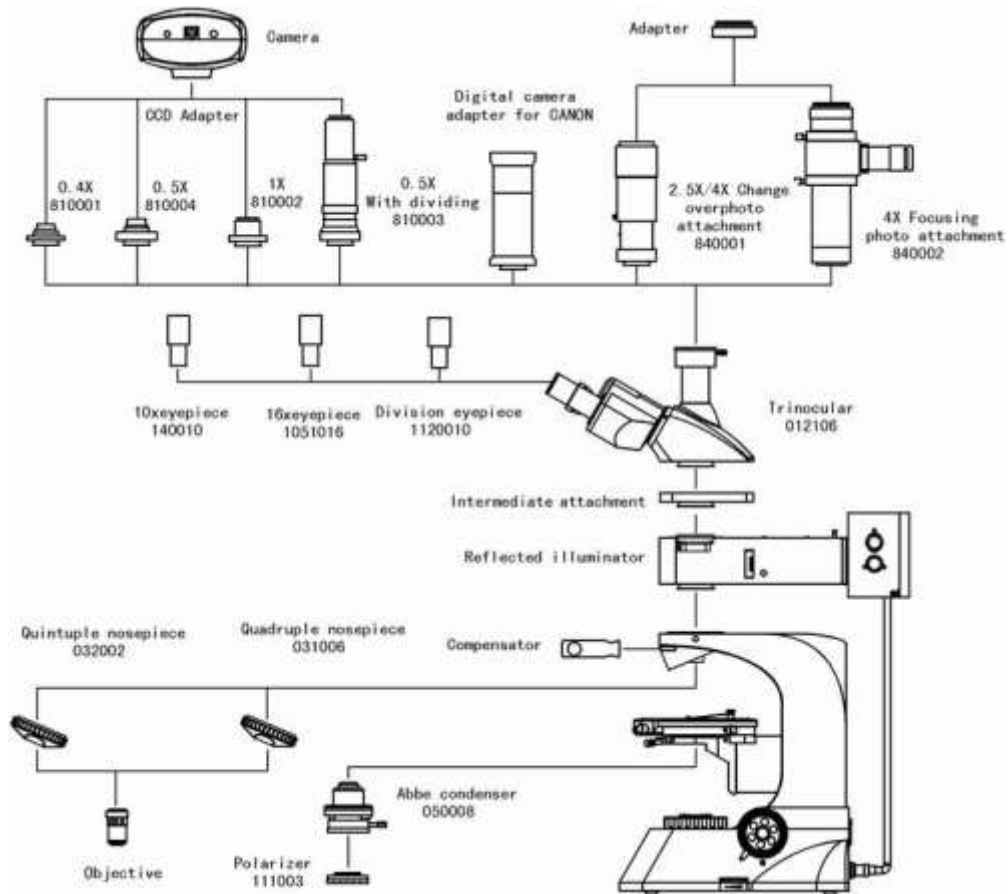
Model	XPL-3230
Eyepiece	Wide field WF10X(Φ22mm)
	Dividing eyepiece(field number:Φ22mm) 0.10mm/Div
Objective	Strain-free plan achromatic objective (no cover glass)
	PL L5X/0.12 (Work distance) : 26.1 mm
	PL L10X/0.25 (Work distance) : 20.2 mm
	PL L40X/0.60£"spring£©(Work distance) : 3.98 mm
Reflected illuminating system	6V30W halogen, brightness enable control.
	A polarizer can be rotated 360°.
	Analyzer can be rotatable 360° with scale and minimum vernier
	Integrated field and aperture diaphragm.
Nosepiece	Quadruple (the center of nosepiece is adjustable)
Intermediate attachment	Puller type bertrand lens
Compensator	½, ¼ and quarts wedge compensator.
Eyepiece tube	Trinocular is inclined 30° and enable 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.

• Optional accessories

Name	Sort/Technique parameter	NO.
------	--------------------------	-----

Infinity objective	Strain-free plan achromatic objective (no cover glass)	
	PL L 20X/0.40(Work distance) : 8.80mm	2860120
	PL L50X/0.70(Work distance) : 3.68 mm	2860150
	PL L80X/0.80(Work distance) : 1.25 mm	2860180
	PL L100X/0.85(Spring) (Work distance) : 0.4 mm	2860111
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 0.42 M pixel	800001
	DV-2 With USB output 1.3M,3.0M,5.0M ,10.0M 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

