

L3030



L3030 reflected and transmitted microscope is suitable to observe surfaces of the non-transparent object or transparent object. It is equipped with vertical illuminator, plan achromatic objectives with long working distance (no cover glass), wide-field eyepieces and set polarizer device in trinocular. It provides clear and high-contrast image, beautiful sculpt, convenient control, etc. It is the ideal instruments in research work in biology, metallography, mineralogy, precision engineering, electronics, etc. It is suitable for scientific research, teaching demonstration in the colleges and factory.

Features

- ▲ With plan, achromatic objectives with long working distance (no cover glass) and wide-field eyepieces, can get clear pictures and wide view field.

- ▲ Coaxial coarse/fine focus system, with tensional adjustable and up stop, minimum division of fine focusing: $2\mu\text{m}$.

- ▲ With vertical illuminator and transmitted illuminator, can observe surfaces of the non-transparent object or transparent object.

- ▲ 6V 20W halogen lamp, adjustable brightness.

- ▲ Trinocular, can switch to observe normally or to observe the Polarize, can send 100% of light to the binocular eyepieces or to the top port.



Observation System

Trinocular, single diopter adjustment, inclined 30° and integrated analyzer, it can be connected to the camera.

10X wide field plan eyepiece, field $\Phi 18\text{mm}$, can provide expanse and smooth observation space. Another eyepiece is 10X division eyepiece used for proofreading the centre.

Stage:

Double layer mechanical stage, size of $210\text{mm} \times 140\text{mm}$, move range: $63\text{mm} \times 50\text{mm}$. The design is in reason so that the operator feel easy and comfort.



Epi-illumination system

6V 20W, halogen lamp, brightness adjustable.

Integrated field, aperture diaphragm and (Y, B, G, ground glass) switching device. Push-puller polarizer can be circumrotated for 360° .



Transmitted illumination system:

With 6V 20W halogen lamp (brightness adjustable) can provide clear and bright image.

Collector for halogen lamp illumination and integrated field 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.



- Standard Configuration

Model	L3030
Eyepiece	Wide field WF10X(Φ 18mm)
Objective	Plan achromatic objectives with long working distance (no cover glass) PL 5X/0.12
	Plan achromatic objectives with long working distance (no cover glass) PL L10X/0.25
	Plan achromatic objectives with long working distance (no cover glass) PL L20X/0.40
	Plan achromatic objectives with long working distance (no cover glass) PL L50X/0.70
Eyepieces tube	Trinocular, Inclination of 30°, (Analyzer with field diaphragm to switch)
Vertical illumination unit	6V 20w, halogen lamp, adjustable brightness
	Vertical illumination with field diaphragm, aperture diaphragm, and polarizer,(Y,B,G)filter and Ground glass
Focus system	Coaxial coarse/fine focus system, with tension adjustable and limit stopper, minimum division of fine focusing: 2 μ m.
Nosepiece	Quadruple(Backward ball bearing inner locating)
Stage	Double layer mechanical (Size:210mmX140mm,moving range:63mmX50mm)
Vertical illumination unit	Abbe condenser NA.1.25 Rack & pinion adjustable
	Blue filter and Ground glass
	Collector for illumination with halogen lamp (With field diaphragm)
	6V 20w, halogen lamp, adjustable brightness

- Optional accessories

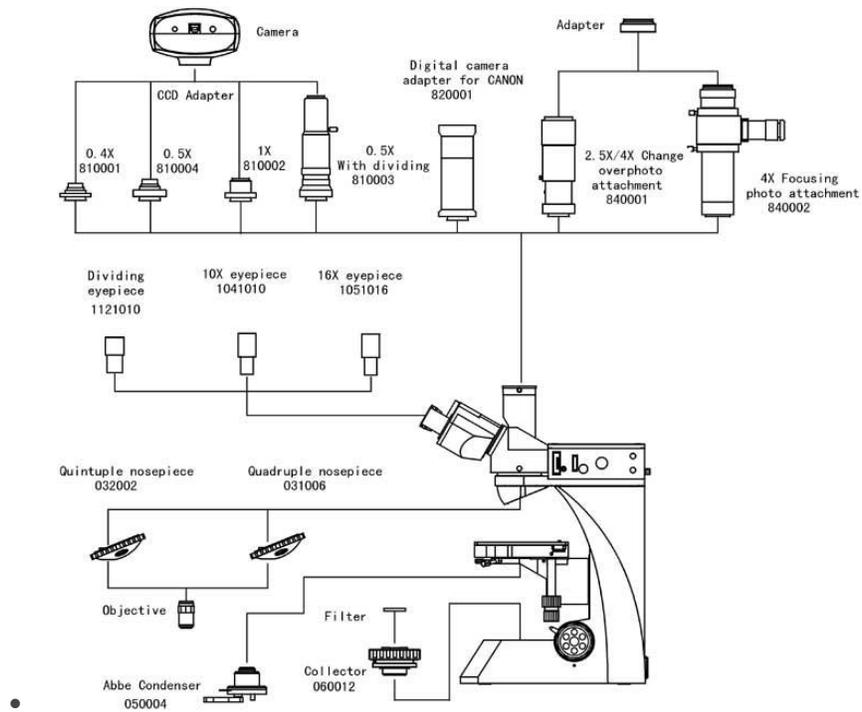
Name	Sort/Technique parameter	NO.
Eyepiece	Wide field WF16X(Φ 11mm)	1051016
	Dividing 10X(Φ 18mm) 0.1mm/Div	1121010
Objective	Plan achromatic objectives with long working distance (no cover glass) PL L 40X/0.60	2250140
	Plan achromatic objectives with long working distance (no cover glass) PL L 60X/0.75(Spring)	2250160
	Plan achromatic objectives with long working distance (no cover glass) PL L 80X/0.80	2250180
	Plan achromatic objectives with long working distance (no cover glass) PL L 100X/0.85(Spring)	2250111
	Plan achromatic objectives (no cover glass) PL 100X/1.25 (Spring, oil)	2240111
Nosepiece	Quintuple Backward ball bearing inner locating	032002
Filter	Green filter	115002
	Yellow filter	115003
CCD adapter	0.4X	810001
	0.5X	810004
	1X	810002
	0.5X with dividing 0.1mm/Div	810003
Camera	DV-1 With USB & video output	800001
	DV-2 With USB output	800003
	DV-3 With video output	800005
Photo unit	2.5X/4X Change over photograph attachment with 10X viewing eyepiece	840001
	4X Focusing photograph attachment	840002
	MD Adapter	840003
	PK Adapter	840004

Digital camera adapter

CANON(A610,A620,A630,A640)

820001

Diagram



Dimensions

