

# Advance LED Monocular Microscope-Overview

The BIMC-12A is an economical microscope, design especially for students attending primary school. Slim and easy to carry solutions, it is equipped with all basic features and all you need to start learning to use a scientific instrument: 18mm field of view, up to 1000x maximum magnification, several options concerning stages, focusing, condenser and illumination system.



## Optical system:

Finite Optical System, 160mm

## Observation tube:

Monocular

## Inclination:

30° inclined, 360 rotating

## Eyepiece(s):

WF 10x (18mm) & WF 16x (16mm) , lockable

## Nosepiece:

Reversed quadruple revolving nosepiece with click stops

## Objective classification:

PL Achromatic, DIN

## Objective information:

4x NA=0.1 WD=18, 10x NA=0.25 WD=7, 40x(s) NA=0.65 WD=0.53, 100x (s)(oil) NA=1.25 WD=0.13

## Objective mounting thread:

W 4/5" x 1/36" (JIS standard)

## Stage:

Double Layers Mechanical Stage

## Stage size:

142 x 134mm

## Mechanical stage X & Y range:

77 x 50mm

## Upper limit stop:

Upper limit stop preset but adjustable

## Condenser:

N.A. 1.25 with iris diaphragm lever for height adjustability, provides a more sophisticated method of controlling the sub-stage illumination, and assists in obtaining optimum image resolution and contrast

## Focus mechanism:

Coaxial Coarse and Fine Adjustment, Fine Division 0.0002mm, Moving Range 22mm

## Illumination:

S-LED Illumination (Rechargeable)

## Power supply:

100 - 240V (CE)

## Packing Size:

300 x 220 x 420mm (L x W x H)

## Weight (kg):

5.5kg

\*All of our microscopes are covered by a 5 year warranty on mechanical components and 2 year warranty on electrical components

\*Standard packing: Foam + Paper box