## BLM2-241 LCD Digital Biological Microscope



## Introduction

BLM2-241 digital LCD biological microscope has a built-in 6.0MP high sensitive camera and 11.6" 1080P full HD retina LCD screen. Both traditional eyepieces and an LCD screen can be used for convenient and comfortable viewing. The microscope makes the observation more comfortable and thoroughly resolves the fatigue caused by using a traditional microscope for a long time.

BLM2-241 not only feature HD LCD display to reverting genuine photo and video, but also feature quick and easy snapshots, short videos and measurement. It has integrated magnification, digital enlarge, imaging display, photo and video capture\&storage on the SD card, it also can be connected to PC via USB2.0 cable and control by software

## Feature

1. Infinite optical system and high quality $10 \times / 22 \mathrm{~mm}$ eyepiece and infinite plan achromatic objectives.
2. 6.0 megapixel HDMI digital camera, images and videos can be easily stored on the SD card without computers, can improve the efficiency of research and analysis, the camera has measurement functions.
3. 11.6-inch HD digital LCD screen, high definition and high quality images, easy for people to share.
4. LED lighting system, long working life and save energy.
5. Two types of observation modes: binocular eyepiece and LCD screen, can meet different needs.

## Application

BLM2-241 LCD digital microscope is an ideal instrument in biological, pathological, histological, hematological, bacterial, immune, pharmacological and genetic fields. It can be widely used in medical and sanitary establishments, such as hospitals, clinics, laboratories, medical academies, colleges, universities and related research centers

## Specification

| Item |  | Specification | BLM2-241 |
| :---: | :---: | :---: | :---: |
| Digital Parts | Camera Model | BLC-600 Plus | $\bullet$ |
|  | Sensor | Sony IMX307 CMOS Sensor | - |
|  | Photo Resolution | 6.0 Mega Pixel ( $3264 \times 1840$ ) | - |
|  | Video Resolution | 60fps@1920×1080 | - |
|  | Sensor Size | 1/2.8 Inches | - |
|  | Pixel Size | $2.8 \mathrm{um} \times 2.8 \mathrm{um}$ | $\bullet$ |
|  | LCD Screen | 11.6 Inches HD LCD Screen, Resolution is $1920 \times 1080$ | - |
|  | Data Output | USB2.0, HDMI | $\bullet$ |
|  | Storage | SD Card (8G) | $\bullet$ |
|  | Exposure time | $0.001 \mathrm{sec} \sim 10.0$ sec | $\bullet$ |
|  | Exposure Mode | Automatic \& Manual | $\bullet$ |
|  | White balance | Automatic | $\bullet$ |
|  | Packing Dimension | $305 \mathrm{~mm} \times 205 \mathrm{~mm} \times 120 \mathrm{~mm}$, 3kgs | $\bullet$ |
| Optical Parts | Viewing Head | Seidentopf trinocular head, $30^{\circ}$ inclined, Interpupillary $48-75 \mathrm{~mm}$, Light distribution: 100: 0 and 50:50(eyepiece: trinocular tube), 30mm tube | $\bullet$ |
|  | Eyepiece | Wide Field Eyepiece WF10×/22mm | $\bullet$ |
|  |  | Wide Field Eyepiece WF15 $\times / 16 \mathrm{~mm}$, WF20 $\times / 12 \mathrm{~mm}$ | $\bigcirc$ |
|  |  | Eyepiece micrometer 0.1 mm (only can be used with 10× eyepiece) | $\bigcirc$ |
|  | Objective | Infinite Plan Achromatic Objectives $4 \times 10 \times$, 40x, 100× | $\bullet$ |
|  |  | Infinite Plan Achromatic Objectives $2 \times$, 20×, 60× | $\bigcirc$ |
|  | Nosepiece | Backward Quadruple Nosepiece | $\bullet$ |
|  |  | Backward Quintuple Nosepiece | $\bigcirc$ |
|  |  | Double Layers Mechanical Stage $140 \mathrm{~mm} \times 140 \mathrm{~mm} / 75 \mathrm{~mm} \times 50 \mathrm{~mm}$ | $\bullet$ |
|  | Stage | Rackless Double Layers Mechanical Stage $150 \mathrm{~mm} \times 139 \mathrm{~mm}$, Moving Range $75 \mathrm{~mm} \times 52 \mathrm{~mm}$ | $\bigcirc$ |
|  | Condenser | Sliding-in Centerable Condenser NA1.25 | $\bullet$ |
|  |  | Swing-out Condenser NA 0.9/ 0.25 | $\bigcirc$ |
|  |  | Dark Field Condenser NA 0.7-0.9 (Dry, used for objectives except 100×) | $\bigcirc$ |
|  |  | Dark Field Condenser NA 1.25-1.36 (Oil, used for $100 \times$ objectives) | $\bigcirc$ |
|  | Focusing System | Coaxial Coarse \& Fine Adjustment, Fine Division 0.002 mm , Coarse Stroke <br> 37.7 mm per Rotation, Fine Stroke 0.2 mm per Rotation, Moving Range 20 mm | $\bullet$ |
|  | Illumination | 1W S-LED Lamp, Brightness Adjustable | $\bullet$ |
|  |  | 6V/20W Halogen Lamp, Brightness Adjustable | $\bigcirc$ |
|  |  | Kohler Illumination | $\bigcirc$ |


|  | Other accessories | Simple Polarizing Set (Polarizer and Analyzer) | $\circ$ |
| :--- | :--- | :--- | :---: |
|  |  | $\circ$ |  |
|  |  | $0.5 \times$ C-mount | $\bullet$ |
|  | Packing | $1 \mathrm{pc} /$ carton, $35 \mathrm{~cm} * 35.5 \mathrm{~cm} * 55.5 \mathrm{~cm}$, gross weight: 12 kg | $\bullet$ |

Note: • Standard Outfit, o Optional

## Sample Image



