

BMM3-1080A/B, BMM3-AF1080A/B Series All-in-One Microscope

BMM3-1080A/B



BMM3-AF1080A/B

Introduction

BMM3-1080A/B and BMM3-AF1080A/B Series All-in-One Microscope adopt digital four-zone illumination, providing high resolution images. Motorized zoom, zoom range 0.7X-4.8X.

Feature**1. Motorized zoom**

Motorized optical zoom: 0.7-4.8X. The zoom can be switched freely within 2 seconds, with more precise magnification control. With a unique algorithm, measurement can be done without calibration after optical zoom.

2. Four-zone illumination

Four-zone ring light can be adjusted separately or as a whole to make the illumination more reasonable and avoid overexposure or dimness. For surfaces with high reflective curvature, adjusting the lighting of the 4-section lights can avoid high reflection and achieve a polarizing effect.

3. Rich accessories

The product comes standard with a 1.0X objective lens. To meet the observation needs of different products, 0.5X, 0.7X, 2.0X, and 3D objectives can also be selected. For customers with limited space or pursuing overall aesthetics, an all-in-one display screen can be selected. For customers who require external triggering for camera focusing, an IO trigger cable can be selected to facilitate the camera's integration into the automation system.

4. Shortcut key operation

For commonly used functions such as zoom, focus, and illumination, mouse shortcut keys are set. In blank space, the mouse wheel scrolls - Zoom in/out. Right mouse button with scroll wheel - adjust the brightness of the light

under the existing settings. Left mouse button with scroll wheel - adjust the focus position based on the current position.

5. Professional factory debugging

Each device undergoes professional personnel debugging before leaving the factory to ensure that all optical performance parameters are adjusted to the optimal state.

Specification

Order Code	Focusing	Sensor Size	Pixel (μm)	Shutter	Resolution	Frame Rate	Power Supply	Output Interface	Storage
BMM3-AF1080A	Auto	1/2"	3.75	Rolling	1920*1080	60fps	DC 12V	HDMI/ LAN	USB disk
BMM3-AF1080B	Auto	1/2"	3.75	Rolling	1920*1080	60fps	DC 12V	HDMI/ USB	PC
BMM3-1080A	Fixed focus	1/2"	3.75	Rolling	1920*1080	60fps	DC 12V	HDMI/ LAN	USB disk
BMM3-1080B	Fixed focus	1/2"	3.75	Rolling	1920*1080	60fps	DC 12V	HDMI/ USB	PC