



High-Performance Motorized Zoom Autofocus Microscope

Integrating automatic focusing and automatic zoom technology.

Motorized

Autofocus

Measurement

Stitch

Depth Fusion

Custom Report

Product Description:

- Optical Zoom Lens: Zoom range from 0.7x to 4.5x ;
- Automatic Focusing and Electric Zoom ;
- Quad-Section Illumination System ;
- Multiple High-Speed Output Interfaces: Equipped with HDMI, USB 3.0 and LAN interfaces, supporting dual output modes.

Main Features:

Lighting and Image Quality :

- ♦ Quad-section adjustable light source for uniform illumination;
- ♦ Precise light distribution adjustment to avoid exposure issues;
- ♦ Automatic exposure reduces reflections for soft effects;
- ♦ Professional tuning for optimal optical performance;
- ♦ Ensures precision in optical center and focus.

Powerful Image Processing Functions

- ♦ Depth Fusion
- ♦ Image Stitching
- ♦ Dimension Measurement
- ♦ Report Output

Operation Experience:

- ♦ Shortcut keys for core functions (zoom, focus, light) ;
- ♦ Mouse hover for intuitive adjustments.

Applicability:

Depth of field fusion and software stitching for complex scenes.

SDK Support:

SDK for automated observation and quality control.

Zoom Function:

- ♦ Electric optical zoom: 0.7X to 4.5X ;
- ♦ Input-specific magnifications for precise control ;
- ♦ Instant measurement after zoom without calibration ;
- ♦ Manual, automatic, and one-click focus options.

Measurement and Reporting:

- ♦ Built-in measurement function for quality control ;
- ♦ Customized reports for professional needs.

Power Supply:

DC power interface supports up to DC12V1A for external devices;

מפיץ בישראל:

Product Parameter		Microscope series
Type	Item	Specification
Parameter	Model	PMS-XHD-MAF01/PMS-XHD-MAF02
	Size	320*308,5*435.8mm
	Object Size	Height Max:50mm
Optical Parameter	System Optical Magnification	18.9X~121.8X
	Optical Magnification	0.7X~4.5X
	Monitor	22inches
	Resolution	1080P
	Working Distance	100mm
	FOV (DxHxV) mm	Max object distance: MAX: 61*34 MIN: 4.2*2.3 Min object distance: MAX: 6.8*9.3 MIN: 3.7*2.1
Camera Parameter	Sensor	CMOS Color
	Pixel	2MP(1920*1080)
	Sensor Size	1/2"
	Menu	POMEAS Software
	Operation Type	USBMouse/Controller
	Output Type	HDMI/USB/LAN
	White Balance	Manual/Auto/Once
	Exposure Type	Auto/Manual
	Display FPS	1080P@60FPS
	Scanning Type	Progressive Scan
	Electronic Shutter Speed	1/50S(1/60S~1/10000S)
	Working Temperature	0°C~50°C
	Digital Zoom	Support
	Storage Type	USB Mouse/PC
	Optical Function	Image Stitch
		Depth Fusion
		Custom Report
		Dimensional measurement
Instrument Configuration	Illumination Optional	Ring/Side/Bottom/Coxial light
	Accessory Optional	Calibration Plate

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