



## Motorized Zoom Autofocus Microscope

Accurate measurement of dimensions,  
ultra-fine observation

### Key Features

#### Motorized Optical Zoom Lens:

- ◆ The zoom range is  $0.28\times\sim 1.92\times$  to meet different observation needs. Quadrant illumination light source system:
- ◆ Provide uniform and adjustable illumination to ensure clear observation.

#### Automatic Focusing And Motorized Zoom:

- ◆ Realize efficient observation, simplify the operation process and enhance work efficiency.

#### Multiple High-speed Output Interfaces:

- ◆ Equipped with HDMI, USB 3.0 and LAN interfaces, supporting dual output mode, convenient for data transmission and display.

#### Powerful Image Processing Functions :

- ◆ Size Measurement: Accurately measure the sample size to meet professional needs.
- ◆ Report Output Function: Conveniently generate observation reports to enhance work efficiency.

#### Zoom Function :

- ◆ Motorized optical zoom:  $0.28\times\sim 1.92\times$ ;
- ◆ Input specific magnification for precise control.
- ◆ Measure instantly after zoom, no need to calibrate;
- ◆ Support auto focus.
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#### Lighting And Image Quality :

- ◆ Four adjustable light sources to ensure uniform illumination.
- ◆ Precise light source distribution adjustment to avoid exposure problems.
- ◆ Automatic exposure reduces reflections, presenting a soft effect.
- ◆ Professional tuning to ensure the best optical performance.
- ◆ Ensure the precision of optical center and focus.

#### Measurement And Reporting :

- ◆ Built-in measurement functions to meet quality control needs.
- ◆ Customizable reports to meet professional needs.

#### Operational Experience :

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

#### SDK Support :

SDK is provided for automated observation and quality control.

#### Power Supply :

DC power connector supports external devices up to DC12V1A.

Technical Parameters		
Typology	Item	Specification
Product Parameters	Model	PMS-MF6020
	Product Size	Size:320*308.5*435.8 mm
	Object To Be Inspected	Maximum height:50mm
Optical Parameter	System Magnification (including Digital Magnification 1×-6×)	18.9×-129.6×
		113.4×-777.6×
	Optical Magnification	0.28×~1.92×
	Display	21.5 inches
	Working Distance	100±2mm
	Field Of View Size(H*V)mm	MAX.:15.9*8.95 MIN.:2.47*1.39
Camera Parameters	Sensor	Color CMOS
	Pixel	2 Megapixel (1920*1080)
	Sensor Size	1/2"
	Menu	POMEAS Software
	Operation Type	USB Mouse/Controller
	Output Type	HDMI/USB/LAN
	White Balance	AUTO
	Exposure Type	Auto
	Display Fps	60FPS@1920*1080
	Scan Type	Progressive Scan
	Electronic Shutter Speed	1/50S(1/60S~1/10000S)
	Operating Temperature	0°C~50°C
	Digital Zoom	Support
	Memory Type	USB flash drive/PC
	Optical Function	Customized Report
Dimension Measurement		
Instrument Configuration	Optional Lighting	Ring light / Side light / Bottom light / External coaxial light
	Optional Accessories	Calibration Board

## PRODUCT ADVANTAGES

### ■ Accelerating the process:

No need for a telescope, large display for better observation; real-time focusing, no need to waste time manually focusing; continuous zoom, quick change of zoom magnification.

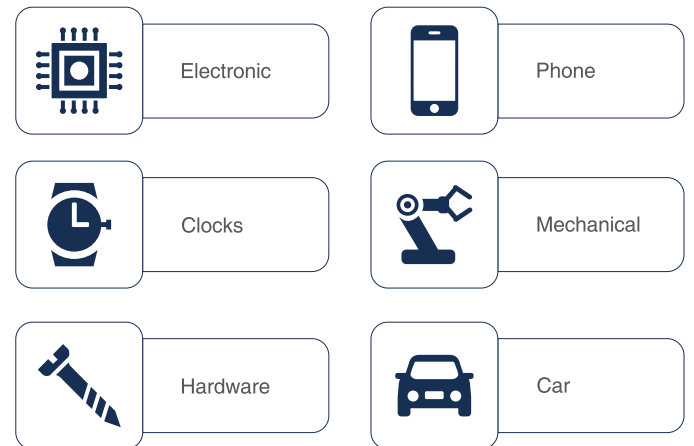
### ■ Discover more details:

Features HDR function edge enhancement mode for clearer images; electronic magnification up to 180X to bring out details; 2.0M HD camera with 60/sec image capture.

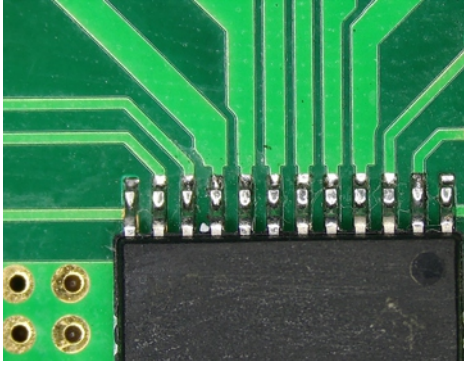
### ■ Bring more convenience:

It supports U disk storage for storing pictures and motion videos; the simple interface makes you more careful in operation; and a variety of light source matching modes can be provided according to the characteristics of customer samples.

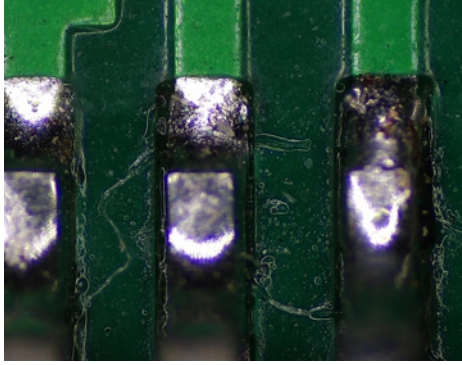
## APPLICATION FIELDS



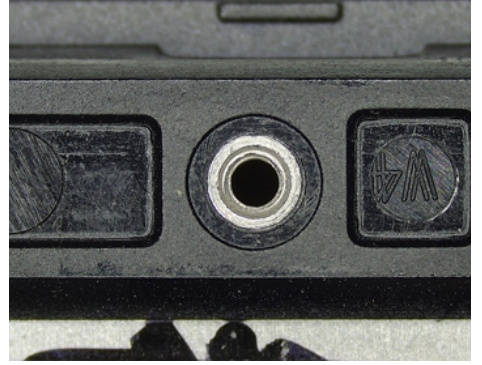
PRODUCT CASES



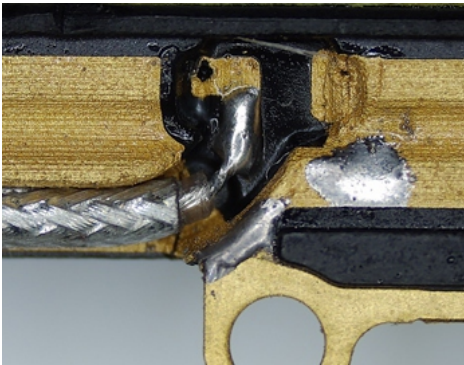
Examples of applications in electronics industry



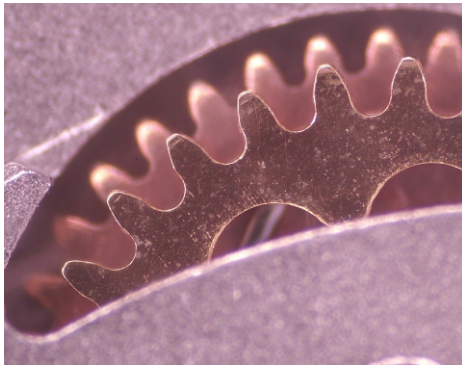
Examples of applications in electronics industry



Examples of cell phone applications



Examples of cell phone applications



Examples of applications in the watch industry



Examples of applications in the watch industry