

INTRODUCTION

Digital inspection microscopes is more popular in many industries as they reduce work pain and have endless potential in terms of inspection, analysis and connecting data and teams.

We explaining the benefits of a digital microscope before going into more details about what makes the JB MICROSCOPE unique and how it can help your business.

Let's get started.



BENEFITS OF GOING DIGITAL

INSPECTION MICROSCOPE

A digital microscope has a variety of benefits compared to the more traditional stereo microscope.



Discuss findings with colleagues in-person or outside

When using a monitor rather than an ocular to view a sample, it's is easyfor multiple operators to inspect and discuss a sample at the same time.

If needed, the microscope live image can also be shared to outside colleagues during online meetings.

This allows everyone to have the same level of information about the samplecreating a better foundation for solving any potential issues .

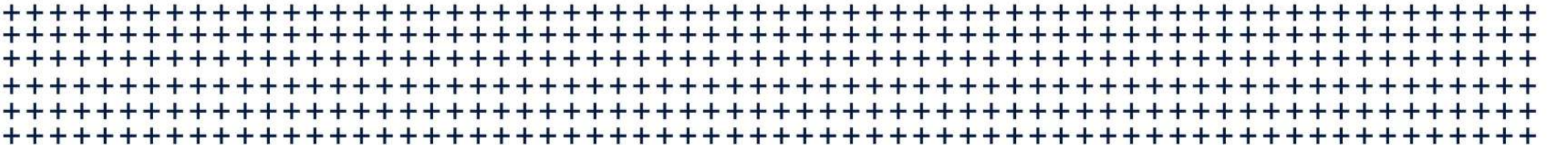
Digital inspection microscope data share to seniors and server with the help of software.

Create consistency across inspections

With presets, you'll be able to save your most used settings as a group and recall them with a press of a button.

When using presets rather than manually adjusting the microscope, you ensure that the same settings are used across all inspections.

This not only creates consistency, but is also much faster than having to adjust the microscope manually, allowing you to spend more time on the actual inspections.



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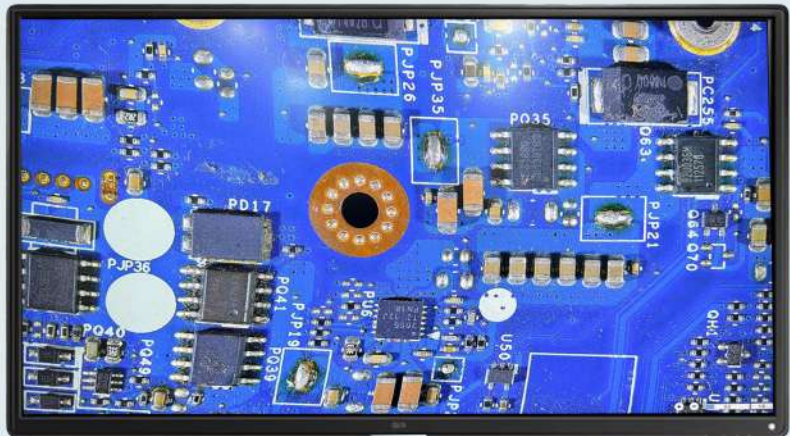
A picture says more than a thousand words

More and more businesses need to document their findings during inspections. With a stereo microscope not having documentation capabilities, some try to take a photo with their phone through the eyepieces. Unfortunately, this doesn't always result in a very good photo.

In comparison, it's often as simple as pressing a button on the remote-control box when using a digital microscope.

The photos can then be saved for future reference or forwarded to customers or supply chain partners if something needs to be discussed in more details.

Completely Quality Control with easy handling the inspection data.



1~28X CONTINUOUS ZOOM HD CAMERA

JBM-PL7

OUTPUT INTERFACE

HDMI +USB
Gigabit Ethernet port

USB

USB

LAN

DC12V

HDMI

LED

4K INDUSTRIAL- GRADE MICROSCOPE

SIX MAJOR FEATURES AND ADVANTAGES



AUTOFOCUS

Automatic/
manual free switching



OUTPUT INTERFACE

HDMI + Gigabit Ethernet
port + USB3.0



4K IMAGING

High resolution
3840*2160P@60FPS



MEASUREMENT

Photography/video/
measurement in one



LARGE FIELD OF VIEW

Optical power 1~28 times,
electronic power 29~84 times



HIGH WORKING DISTANCE

100mm~
infinity working distance



Reduce work pain

Instead of bending your neck to see through an eyepiece or straining your eyes to see the sample clearly, a digital microscope allows you to sit up properly and look straight ahead at a monitor. This reduces headaches and makes you feel less tired at the end of the day.



Improving ergonomics thus not only affects your productivity, but can also significantly improve your job satisfaction and ability to attract new employees.



Feature:

- 4K FULL HD high speed camera with 1X – 28X optics zoom lens
- Electric zoom, The magnification can be adjusted through a mouse or other I/O device
- UI design menu, easy to control by mouse
- Autofocus, when observation Objects of different heights, you do not need adjust the lens's Working distance
- When you adjust the Camera's Magnification, you do not need adjust the lens's Working distance



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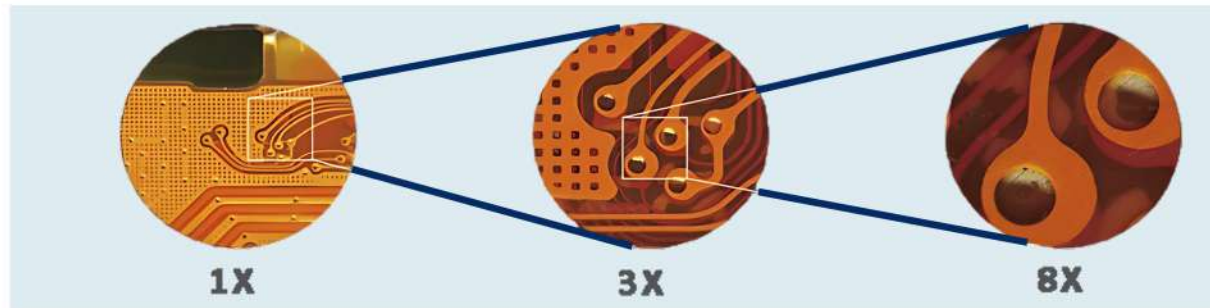
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Specification

• Brand : JB microscope
• model number : JBM_PL7
• Magnification 28X
• 4K HDMI / LAN POE video output
• High-performance and fast-response video
• 4K/1080P switch adaptively, 4K Preview frame rate 30fps, 1080P Preview frame rate 60fps
• SONY imx415 Sensor, sensor size:1/2.8"
• Pixel(μm) : 1.45×1.45
• Resolution: 4K Ultra HD (8mp 3840×2160)
• Preview frame rate: 4K@30fps / 1080P@60fps
• Exposure : 1/50s(1/60s)~1/10000s
• Real time measurement
• Support U disk storage
• Method of Operation : Mouse
• Power DC: DC12V
• Video Output method: HDMI, LAN POE
• White Balance & Exposure:: Auto / Manual / One-push control
• Scanning method: Line by line scanning
• Operating Temperature: 0℃~50℃
• Magnification / Zoom: Support
• Menu language: English

Zoom Find focus with autofocus

When finding focus on a stereo microscope, both eyepieces need to be adjusted manually according to the sample. You might not consider that a time-consuming task, but the minute it's eliminated, you'll notice the difference. In comparison, a digital microscope has Autofocus. It means that the microscope will automatically focus when zoom and find focus time the sample under the microscope, independently of your eyesight or eye level, eliminating the need for manual adjustment of the microscope.



It also means that you can keep your hands on the sample itself, turn it around while zooming in and out, either with the remote control box to easy operate to switch, for more efficient inspections.

OPTIONAL ACCESSORIES

4K-FHD SCREEN



27-inch

4K Ultra FHD screen for crystal-clear viewing. Full HD Display Brings Microscopic Images To Life With Exceptional Color And Contrast.

2K-FHD SCREEN



24-inch

HD screen for crystal-clear viewing. Full HD Display Brings Microscopic Images To Life With Exceptional Color And Contrast.

SCREEN



17-inch

Screen for crystal-clear viewing. Display Brings Microscopic Images To Life With Exceptional Color And Contrast.

NOTE: Kindly use 4K screen to see the 4K resolution of this Model-PL7

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