Vision ENGINEERING

PICOZOOM

AUTOFOCUS DIGITAL INSPECTION MICROSCOPE



FOCUSED | QUALITY

PICOZOOM

AUTOFOCUS INSPECTION MADE SIMPLE

PicoZoom is an autofocus digital inspection microscope designed for electronics, component inspection and quality control environments.

Motorised zoom, focus stacking, measurement tools and custom report output combine in one compact inspection system. PicoZoom supports clear inspection, simple documentation and faster setup.

CLEAR IMAGES, FASTER SETUP AND DOCUMENTED INSPECTION RESULTS IN ONE COMPACT DIGITAL MICROSCOPE.



PICOZOOM ADVANTAGES:

01

Autofocus

One-click autofocus reduces time spent adjusting focus between parts, surfaces and magnification levels.

02

Motorised zoom

Inspect a wide range of feature sizes without changing lenses or physically adjusting the optical zoom.

03

Measurement and reporting

Built-in measurement, annotation and custom report output help capture results and create clear QC documentation.

04

Ease of use

Simple controls, a compact bench footprint and mouse-based operation make PicoZoom straightforward to set up, learn and use.

TYPICAL APPLICATIONS:



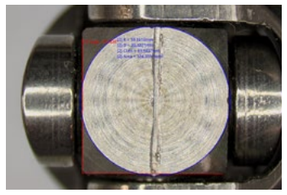
PCB and solder joint inspection



Medical device inspection



Incoming goods inspection



Defect analysis

For more information, visit visioneng.com

FIX THE VIEW

PicoZoom brings focus, lighting and reporting together for clearer inspection images and more consistent records.

Extended depth of field

When a part has depth, a single image may only show one area in sharp focus. Focus stacking combines images captured at different focal planes, producing a clearer view across more of the part.

Reflective or low-contrast surfaces

Glare, shadow and low contrast can make edges, marks and defects harder to see. Quadrant controlled lighting adjusts light direction and brightness, making surface detail easier to inspect.

Consistent inspection setup

Motorised zoom, autofocus and adjustable lighting reduce manual adjustment between parts, surfaces and magnification levels, making routine inspection quicker and more consistent.

Inspection records

Separate inspection notes, screenshots and measurements can lead to inconsistent records. PicoZoom compiles images, annotations, measurements and results into custom reports for clearer QC documentation.

CLEAR DETAIL, QUICK SETUP AND INSPECTION RECORDS THAT YOU CAN TRUST.

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Technical specification

Item	Specification
Magnification	18.9× to 121.8×, system
Optical zoom	0.7× to 4.5×
Autofocus	Yes
Motorised zoom	Yes
Camera sensor	CMOS, 1/2 inch
Resolution	2 MP, 1080p
Frame rate	60 fps
Working distance	100 mm
Measurement function	Built-in measurement and reports
Lighting system	Quadrant controlled lighting
Output interfaces	HDMI, USB 3.0
Software features	Focus stacking and reporting
Memory / storage	USB / PC storage



For more information and sales support, please contact your Vision Engineering branch, local authorised distributor, or visit our website: visioneng.com

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