

FINALLY

a True 3-Dimensional Scope for
Increased Productivity

IMPROVE YOUR ROI WITH THE ENHANCED REALITY MACROSCOPE

Experience an
immediate return on
investment from Day 1

- Improved Efficiency
- Increased Productivity
- 300mm Adjustable Working Distance
- Reduced Eye-Fatigue
- Clear View with Self-Focus

Hassle-Free Trial

Try it in your workspace before you buy.



IMPROVE RESULTS & SAVE

3-Dimensional Optical Inspector

Industry's best working distance and depth of field

WPI's Enhanced Reality Macroscope (ERMa) is a revolutionary advancement for detailed visual inspection. ERMa is a true 3D digital stereo optical microscope with a host of patent-pending features, including:

- A self-zooming scope and ergonomically designed head to offer you faster inspections, less fatigue and greater accuracy.
- Self-focus that employs sophisticated computer algorithms and a large depth of field so your subject remains in focus even when the working distance changes.

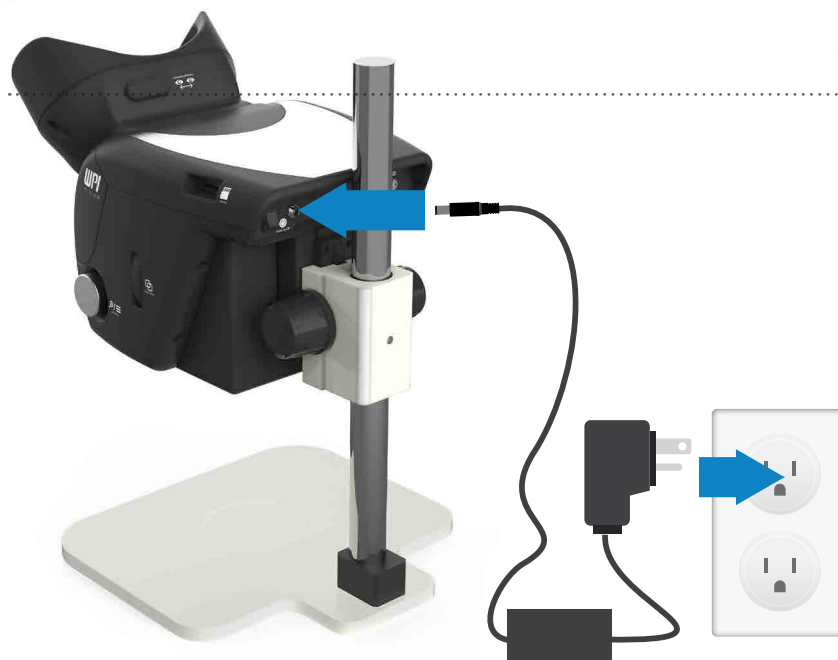
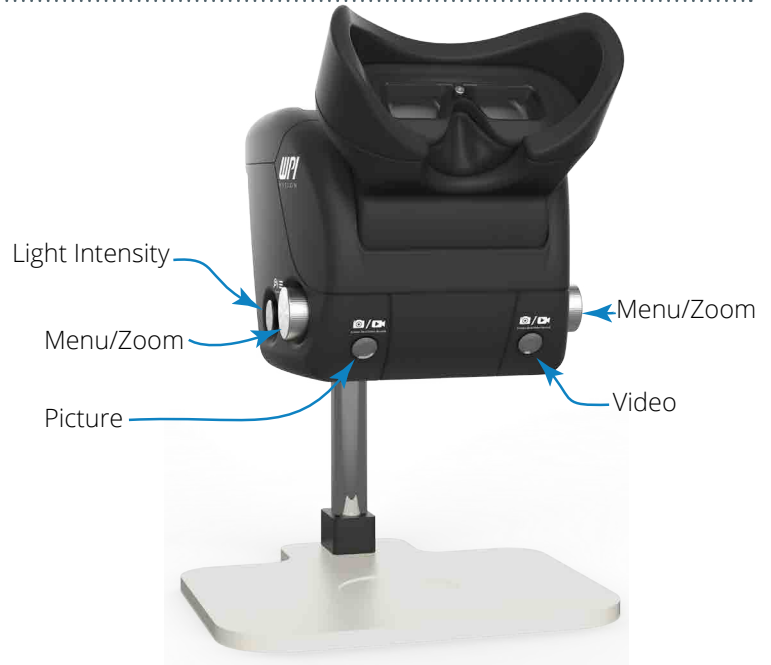
It all starts with the fully optical zoom system, which is sending the smallest details to its powerful HD 5MP cameras. Yes, there are two cameras. The images are then transmitted at full speed frame rates to the on-board HD Enhanced Reality Screens, giving you a true three-dimensional image. You choose the most comfortable position for the viewer's tilting headset.

Simple to Use

The intuitive design is quietly expressed through the limited controls.

- Zoom/Focus – Rotate either one of the two knobs on either side of the headset to Zoom. The self-focus happens during the zoom process.
- Lights – A dimmer control on the side of the headset controls the lights.
- On Screen Menu Options – For more challenging inspections, an integrated computer offers on-screen menus when you press the Zoom button.
- Images/Videos – When you need to document, share or make comparison, capture buttons are located on the front of the headset under your thumbs.

Simple to setup and easy to use, ERMa lets you eliminate the inefficiency of any other solution.



Setup is a Snap

When your ERMa arrives, you need about 2 minutes for setup before you are completely operational. No classes, no training, no prep...it just works. Try it before you buy. Request a no-cost, no-contact, hassle-free demo today. We'll ship your ERMa, and your team can see for themselves what makes ERMa the right inspection tool for your job. You can experience what ERMa does for your customers and your bottom line.

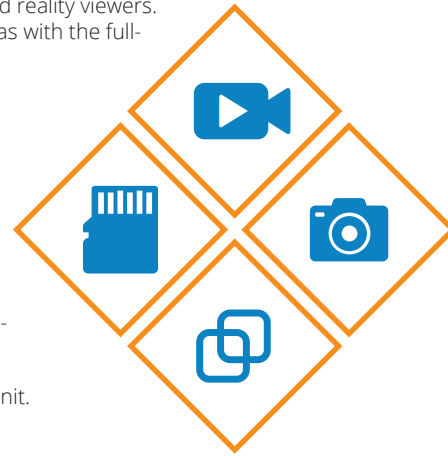
If you are not impressed, just use the prepaid label to ship it back to us. If you do, please let us know what we can do to improve.

Working Distance (120-300mm)

LONG WORKING DISTANCE & DOF

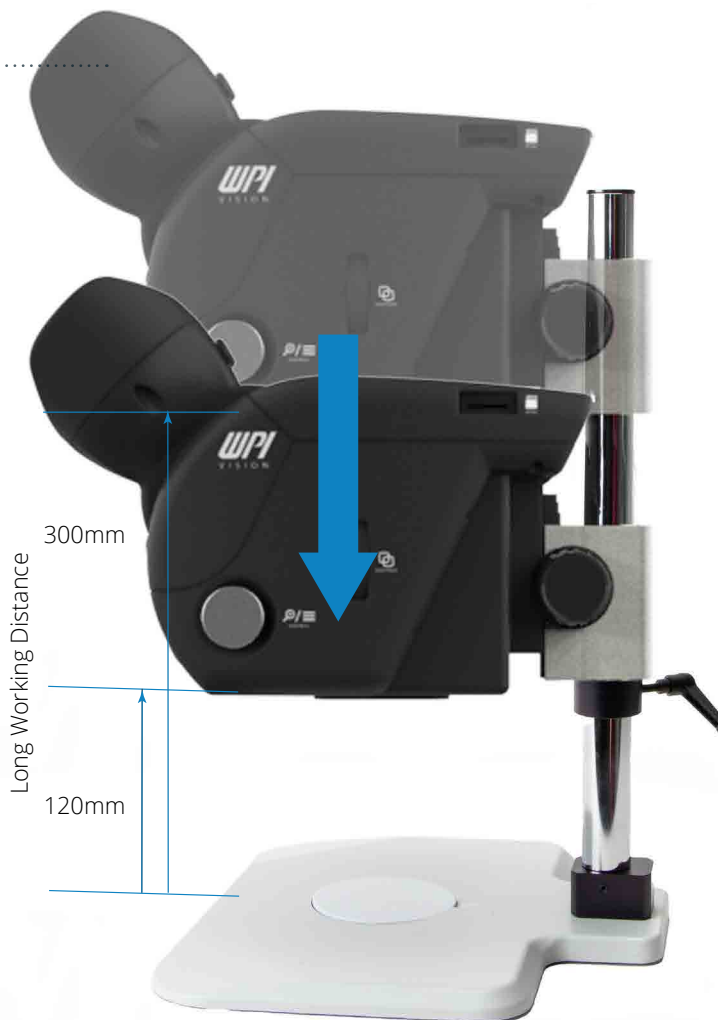
Features

- The ONLY self-focusing zoom magnification system available. This is not the same as other manufacturer's auto-focusing.
- True 3D (stereo) viewing by means of two synchronized digital cameras and enhanced reality viewers. The "Virtual Reality" effect results from the use of two separate high-definition cameras with the full-frame rate of the live images viewable on the integrated LCD screens.
- Eyepiece-free for stunning imagery without the eye strain
- 300mm Working distance for easy sample manipulation
- 24mm Field of view with electronic panning of 43mm x 33mm
- Simple interfaces for intuitive use and 6× optical zoom without the need for focusing
- Multi-processor system integrated into the head for an all-in-one, self-contained solution. No computer or other controls are required.
- Capture both still images and videos using the dual-use buttons on the front of the unit.
- SD card for image and video storage and sharing
- Intuitive menu accessed by pressing the knob (Menu/Zoom)
- Ambidextrous control knob for accessing the menu and zooming
- Integrated lighting system with dimming control



Benefits

- Improved efficiency and throughput by offering a comfortable solution without the eye-fatigue as with light microscopes and by eliminating the need to continually position and refocus. The increased productivity improves your bottom line.
- Easy to setup and use right out of the box. ERMa eliminates the learning curve for traditional inspection microscopes.
- Digital panning lets the object remain stationary while you move the view with camera controls, allowing you to alter viewing conditions rapidly without mechanical movement.
- Long working distance (300 mm) and large field of view (24 mm) offers great flexibility of use.
- Ergonomic design offers superior comfort, and the large, fatigue-resistant view screen makes ERMa easy on the eyes for all-day use.
- Self-focusing, large working distance and excellent field of view means increased efficiency and production for macro viewing and data collection. Focus, zoom and navigate the field of view quicker than with standard microscopes.
- Compare images on screen and perform image manipulations.



Working Distance (120-300mm)

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SYSTEM COMPONENTS

WHAT IS INCLUDED WITH THE SYSTEM	Qty	ERMa
ERMA Macroscopic Head	1	✓
SD Card	1	✓
AC/DC 5 V Power Adapter	1	✓
Dust Cover	1	✓
Boom Stand, Articulating Arm Stand OR Track Stand	1	✓
Quick Start Guide	1	✓

INSTRUCTION MANUAL (DOWNLOAD FROM WWW.WPIINC.COM/MANUALS)

OPTICAL MAGNIFICATION	WORKING DISTANCE	FIELD OF VIEW	PANNING AREA
2.65×	130mm	24.0mm	43 × 33mm
2.9×	130mm	22.0mm	40 × 30mm
3.35×	130mm	19.0mm	34 × 25mm
3.75× SLWD*	130mm	17.0mm	31 × 23mm
4.25×	130mm	15.0mm	27 × 20mm
4.9×	130mm	13.0mm	23 × 17mm

OPTICAL MAGNIFICATION PLUS DIGITAL ZOOM	WORKING DISTANCE	FIELD OF VIEW	PANNING AREA
5.75×	130mm	14.85mm	40 × 30mm
8×	130mm	10.8mm	43 × 33mm
10×	130mm	8.55mm	34 × 25mm
15×	130mm	5.74mm	31 × 23mm
20×	130mm	4.39mm	23 × 17mm

SPECIFICATIONS

Working Distance.....	120–300mm
Field of view.....	24mm
Image Storage	SD Card
Image Comparison.....	Onboard, Side-by-side
Digital Cameras.....	(2) 5MP HD
Pixel Display in Each Camera.....	2592 × 1944
Screen Size.....	7.4 cm (2.9")
Screen Resolution	1400 × 1400 pixel
Optical Focal Length.....	3.5–13mm
Optical Zoom.....	1–6×
Digital Zoom.....	1–5×

ORDER NUMBER	DESCRIPTION
ERMA-BS	Enhanced Reality Macroscopic Head with 505606 Boom Stand
ERMA-AAC	Enhanced Reality Macroscopic Head with 505607 Articulating Arm Stand
ERMA	Enhanced Reality Macroscopic Head with 505608 Track Stand
ERMA-BCS	Enhanced Reality Macroscopic Head with 505611 Boom Clamp Stand (Articulating Arm)



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Our US inspection process is hinged on our ISO9001:2015 certification to ensure you receive quality products.



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