

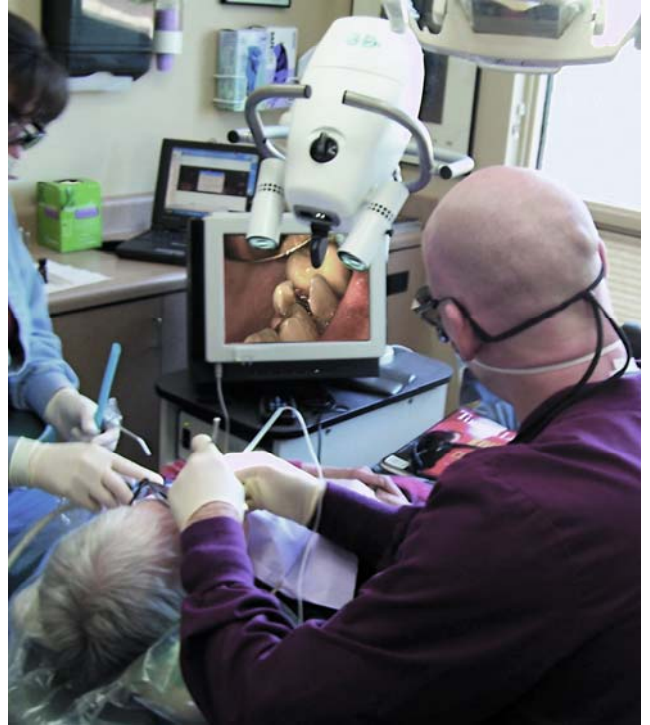
DentiMag3D™

Stereo Video Zoom Dental Microscope

Dental specialists know that an enlarged view of the operative field enables both higher quality and faster treatment. Most have recognized and are now familiar with the advantages of using a stereoscopic microscope for applications where loupes do not provide sufficient magnification.

A stereo microscope allows you to judge depth and vary the level of magnification to the task at hand. Unfortunately, it also affects the way you work, by necessity being between you and the patient, limiting your field of view and your choice of postures.

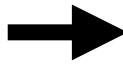
To address these issues, StereoImaging has developed the DentiMag3D™. Using our proprietary stereoscopic digital camera technology, we have developed a stereo video zoom microscope for use in dental surgery. The DentiMag3D™ is ideal for sharing the image with multiple users, students, or the patient, where everyone has depth perception!



The DentiMag3D™ does not attach to your current optical microscope, but provides a complete and comprehensive replacement for it, upgrading your surgical suite to a fully digital environment.



Get the space
between you and
the patient back.



StereoImaging Corporation

DentiMag3D™ Technical Features

- Stereoscopic video (3D), provides depth perception
- Motorized continuous 3.6X zoom and focus, controlled by foot pedal
- 2X digital zoom at the touch of a button
- Built-in White Light Emitting Diode (LED) coaxial illumination. No more bulb changing, ever! Use it in place of your dental light.
- Digital video, higher resolution than NTSC or PAL analog video systems
- 18-inch working distance (camera to subject)
- 10 mm to 36 mm Field of view (10.6X to 38X)¹. Field of view to 5mm (76X) with digital zoom.
- Choice of 3D displays, Monitor, Head mounted, or projection
- System may be on a portable cart or installed with a ceiling mount.

Ceiling Mount →



Comparison Magnification Chart

Stated magnification in terms of X (e.g. 10X, 20X), can be misleading because of the differences caused by changes in focal distance (f) and eyepiece magnification. The best way to compare between different units is by using the width of the Field-of-View (FOV), stated here in millimeters (mm). The table below compares the Min./Max. numbers for the DentiMag3D™ to its competition. Notice how two other products with a 9-mm FOV differ in X-magnification because of changes in focal distance and eyepiece magnification.

	DentiMag3D™ Highest Magnification	DentiMag3D™ Widest Field of View	Distance from Patient (f)
DentiMag3D™	10.0 mm (38X) ¹ *	36.0 mm (10.6X) ¹	450 mm
Zeiss OPMI® Pico ²	10.0 mm (21X)	43.0 mm (5X) ³	250 mm
Seiler Revelation Zoom ²	9.0 mm (20X)	54.0 mm (3X)	250 mm
Global Protégé Plus ²	9.0 mm (24X)	50.0 mm (4X) ³	200 mm

* Digital zoom doubles this to 5-mm (76X), in stereo

¹ Based on image magnification on a 19-inch monitor. Will vary slightly with display size chosen.

² OPMI-pico, eyepieces 12.5X, Seiler Zoom eyepieces 12.5X, Protégé Plus eyepieces 10X.

³ Not its widest FOV, depends on configuration.