

**Better Vision
Better Results**

Firefly DE500

High Precision Portable Digital Video Otoscope



HD RESOLUTION

DE500 delivers exactly 1280x1024 pixels of detail without using interpolation techniques. While such a large quantity of pixels may normally cause significant lags in capturing and displaying images, the DE500 is equipped with a cutting edge image processing engine which virtually eliminates visual lag, enabling an intuitive user experience.

150x MAGNIFICATION

Provides up to 50x native optical magnification and up to 150x digital magnification for highly precise analysis.

MULTI-LAYER GLASS LENSES

Equipped with multi-layer glass lenses rather than plastic alternatives, thus delivering superb focal depth and crystal clear image quality.

ULTRA-BRIGHT LEDs

Highest quality ultra-bright LEDs are deployed with variable brightness control

- **Performs highly accurate and clear observations of the ear canal**
- **Quickly captures snapshots & videos**
- **Magnifies objects up to 50x optically and up to 150x digitally**
- **Integrates easily with Electronic Medical Records (EMR) systems**

Firefly DE500 is the industry's most advanced portable digital video otoscope with image and video capture capabilities. It provides unprecedented accuracy in observing the ear canal. This is a powerful tool which can be used for EMR (Electronic Medical Records) as well as for patient reporting. It is also a versatile tool for self examination and telemedicine. Unlike older electronic otoscopes, DE500 delivers these breakthrough capabilities - and much more - at a highly economical cost.



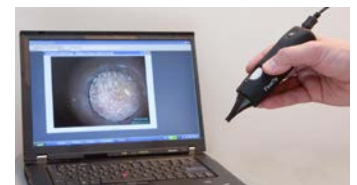
Better Vision Better Results



DE500

Technical Details

| | |
|------------------------|--|
| Sensor Resolution | 1280 x 1024 |
| Magnification | Native Optical: 15x – 50x Digital: 15x – 150x |
| Lens Assembly | Dual Lenses 3-Layer Glass, 650nm cutoff |
| Video | Format: YUY2 Frame rate: 30 FPS |
| Video/Image Properties | Color: Hue, Saturation Exposure: Brightness, Contrast Image: Sharpness, Gamma |
| Image / Video Files | JPG/ BMP / AVI |
| Lighting | 4 Ultra-Bright LEDs Fully adjustable brightness |
| Interface | USB 2.0 |
| Accessories | Includes 3mm/4mm/5mm specula |
| Dimensions | 13cm x 3.6cm x 4cm |
| Software | Scalable Window, Zoom, Freeze, Resolution, Rotate, Flip Region of Interest (ROI) Automatic/Manual white balance |
| Operating Systems | Windows 7, 8, 10 and Mac OS-X 10.4 or higher |
| Warranty | 1 Year Limited Hardware Warranty |



SOPHISTICATED SOFTWARE

DE500 is controlled directly with the FireflyPro professional image processing software which comes bundled with the product. This state-of-the-art software enables users to capture, store, recall, view, manipulate and measure images and videos in real time. Its intuitive interface empowers users to get right to work anytime and anywhere.

ADVANCED IMAGING TECHNOLOGY

Managing incoming light is a tremendous challenge in digital sensor design.

Reflections and lighting leaks can easily pollute the sensor, resulting in overexposure and washed-out images.

Firefly effectively reduces overexposure by employing a proprietary lens assembly design and highly efficient image processing algorithms.

This highly efficient overexposure management technology enables Firefly to use ultra-bright LEDs to their fullest effect. Objects under observation are brightly illuminated without undesirable side effects.

THIRD PARTY INTEGRATION

Firefly devices are intended to be used with the included software, but may also be integrated into 3rd party platforms. If you would like to use a 3rd party software package please contact us and we can provide integration guidelines.



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