Better Vision
Better Results

Firefly DE500

High Precision Portable Digital Video Otoscope

TRUE 1.3 MEGAPIXELS

DE500 delivers exactly 1.3 Megapixels 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.

www.fireflyglobal.com

Firefly®

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ADVANCED IMAGING TECHNOLOGY

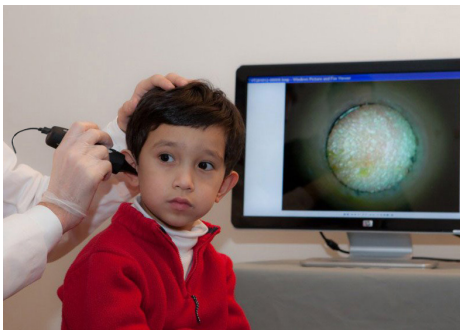
Managing incoming light is a tremendous challenge in digital sensor design. Reflections and lighting leaks can easily pollute the sensor, resulting in overexposure and washed-out images. Firefly effectively reduces overexposure by employing a proprietary lens assembly design and highly efficient image processing algorithms.

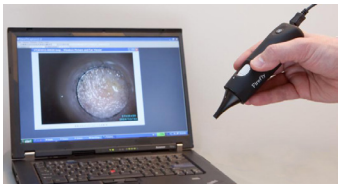
This highly efficient overexposure management technology enables Firefly to use ultra-bright LEDs to their fullest effect. Objects under observation are brightly illuminated without undesirable side effects.

Sophisticated image processing algorithms are ineffective without strong depth perception and a clear image. Firefly DE500 is equipped with multi-layer glass lenses rather than plastic alternatives, thus delivering superb focal depth and crystal clear images.

Technical Details

Sensor Resolution	True 1.3 Megapixels (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	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) Real time measurements Automatic/Manual white balance
Operating Systems	Windows 7, Vista and XP
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.

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