

# Better Vision Better Results

## WIRELESS

With a dedicated wireless link and a 3 hour Lithium battery, DE550 provides complete flexibility and unprecedented precision in observing the ear canal and capturing high precision images / videos.

## 150x MAGNIFICATION

Provides up to 50x native optical magnification and up to 150x digital magnification

## 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

## Firefly DE550



## Wireless Digital Video Otoscope



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

Firefly DE550 is the industry's first Wireless high precision 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 education. It is also a versatile tool for self examination and telemedicine. Unlike older electronic otoscopes, DE550 delivers these breakthrough capabilities - and much more - at a highly economical cost.

# Better Vision Better Results



## DE550

### Technical Details

|                        |   |
|------------------------|---|
| Magnification          | Native Optical: 15x – 50x<br>Digital: 15x – 150x  |
| Sensor Resolution      | 720 x 480   |
| Lens Assembly          | Dual Lenses<br>3-Layer Glass, 650nm cutoff  |
| Video                  | Format: YUY2<br>Frame rate: 30 FPS  |
| Video/Image Properties | Color: Hue, Saturation<br>Exposure: Brightness, Contrast<br>Image: Sharpness, Gamma   |
| Image / Video Files    | BMP / AVI   |
| Lighting               | 4 Ultra-Bright LEDs<br>Fully adjustable brightness  |
| Battery                | Built-in 850mAH   |
| Wireless Link          | 4 Channels  |
| Dimensions             | 13cm x 3.6cm x 4cm  |
| Accessories            | AC Battery Charger<br>3mm/4mm/5mm specula included  |
| Interface              | USB 2.0   |
| Software               | Scalable Window, Zoom, Freeze,<br>Resolution, Rotate, Flip<br>Region of Interest (ROI)<br>Real time measurements<br>White balance |
| Operating Systems      | Windows 7, Vista and XP   |
| Warranty               | 1 Year Limited Hardware Warranty  |



### ADVANCED IMAGING TECHNOLOGY

Managing incoming light is a tremendous challenge in microscope 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 DE550 is equipped with multi-layer glass lenses rather than plastic alternatives, thus delivering superb focal depth and crystal clear images.

### INCLUDES WIRELESS RECEIVER



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### SOPHISTICATED SOFTWARE

DE550 is controlled directly with the FireflyPro professional image processing software which is 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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