

Better Vision  
Better Results

## Firefly DE300

### Polarizing Digital Dermatoscope



#### HIGH RESOLUTION

Firefly's DE300 delivers exactly 1600x1200 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 DE300 is equipped with a cutting edge image processing engine which virtually eliminates visual lag, enabling an intuitive user experience.

#### 50x MAGNIFICATION

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

#### MULTI-LAYER GLASS LENSES

Equipped with multi-layer glass lenses, delivering superb focal depth and crystal clear image quality.

#### INTEGRATED POLARIZER

High quality built-in polarizer with 12 levels of polarization.

- **Designed for Digital Epiluminescence Microscopy (DELM)**
- **Quickly captures images & videos**
- **Magnifies objects up to 50x optically and up to 150x digitally**
- **Easily integrates with EMR systems**

This cutting-edge digital polarizing dermatoscope is ideal for healthcare professionals, teachers, students and cosmetics professionals where close-up skin inspection and recording is essential. It can be used for EMR (Electronic Medical Records) as well as for patient education. Unlike older digital scopes costing thousands of dollars, DE300 delivers these capabilities - and much more - at a highly economical cost

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## 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.

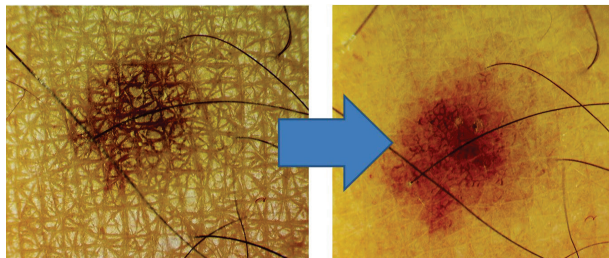
This highly efficient overexposure management technology enables Firefly use 8 ultra-bright LEDs to their fullest effect. Objects under observation are brightly illuminated without undesirable side effects.

Sophisticated image processing algorithms are ineffective without strong depth perception and a clear image. Firefly DE300 is equipped with multi-layer glass lenses rather than plastic alternatives, thus delivering superb focal depth and crystal clear images.

## DE300

### Technical Details

Sensor Resolution	1600 x 1200
Magnification	Native Optical: 15x – 50x Digital: 15x – 150x
Lens Assembly	Dual Lenses 3-Layer Glass, 650nm cutoff Integrated Polarizer with 12 settings
Video	Format: MJPG, YUY2 Frame rate: 30 FPS
Video/Image Properties	Color: Hue, Saturation Exposure: Brightness, Contrast Image: Sharpness, Gamma
Image / Video Files	BMP / AVI
Lighting	8 Ultra-Bright LEDs Fully adjustable brightness
Dimensions	13cm x 3.6cm x 4cm
Interface	USB 2.0
Accessories	Includes Desk Stand
Software	Scalable Window, Zoom, Freeze, Resolution, Rotate, Flip Region of Interest (ROI) Real time measurements Automatic/Manual white balance
Operating Systems	Windows 8, 7, Vista and XP Mac OS-X 10.4 or higher
Warranty	1 Year Limited Hardware Warranty



### Applying Polarizer

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### SOPHISTICATED SOFTWARE

DE300 is controlled directly with the FireflyPro professional image processing software which is bundled with the dermatoscope. 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.



### POWERFUL MAGNIFICATION AND POLARIZATION

DE300 empowers healthcare professionals with a whole new perspective. Its advanced technology can quickly provide a high resolution image into even the smallest areas of interest.

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