

Better Vision
Better Results

Firefly GT800

High Precision Digital Microscope



TRUE 2.0 MEGAPIXELS

Unlike low quality alternatives, Firefly's GT800 delivers exactly 2 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 GT800 is equipped with a cutting edge image processing engine which virtually eliminates visual lag, enabling an intuitive user experience.

700x MAGNIFICATION

Provides up to 235x native optical magnification and up to 700x 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.

8 ULTRA-BRIGHT LEDs

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

- **Capture snapshots & videos at 30fps**
- **Magnify objects up to 235x optically and up to 700x digitally**
- **Perform microscopic measurements with sophisticated bundled software**
- **Rugged construction with rubberized durable coating**

This high precision digital microscope is ideal for engineers, scientists, medical professionals, teachers, students, quality assurance teams, beauticians, coin collectors, biologists, botanists and a variety of other professions where close-up inspection and recording is essential. Unlike legacy analog microscopes, GT800 delivers advanced capabilities - and much more - at an economical cost.

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GT800

Technical Details

Sensor Resolution	True 2.0 Megapixels (1600 x 1200)
Magnification	Native Optical: 15x – 235x Digital: 15x – 700x
Lens Assembly	Dual Lenses 3-Layer Glass, 650nm cutoff
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
Bundled Accessories	Includes Mini-Tripod, Desk Stand and Camera Stand Adapter
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 UVC compatible on Mac and Linux
Warranty	1 Year Limited Hardware Warranty

SOPHISTICATED SOFTWARE

GT800 is controlled directly with the FireflyPro professional image processing software which is bundled with the microscope. 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, anywhere.

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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, hence objects under observation are brightly illuminated without undesired side effects.



OPTIONAL MICROSCOPE STAND

Optional microscope stands are available for use with GT800 when manual operation is not convenient. The GT800 also comes with an adapter compatible with industry standard camera tripods & mounts

Brought to you by:



100 Lauman Lane, Suite A, Hicksville, NY 11801
Tel: (877) 877-7274 | Fax: (516) 801-2046
Email: Info@nyscopes.com
www.microscopeinternational.com

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