

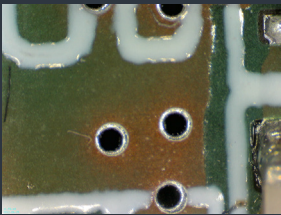
**Better Vision
Better Results**

TRUE 2.0 MEGAPIXELS

Firefly's GT820 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 GT820 is equipped with a cutting edge image processing engine which significantly eliminates visual lag, enabling an intuitive user experience.

700x MAGNIFICATION

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



12 POLARIZATION LEVELS

To reduce glare in highly reflective objects, the GT820 is equipped with a polarizing filter that can be manually adjusted for 12 levels of polarization.

8 ULTRA-BRIGHT LEDs

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

Firefly GT820

Polarizing Digital Video Microscope



- **True 2.0 Megapixel resolution**
- **12 Levels of polarization**
- **Captures images & video**
- **Magnifies up to 235x optically**
- **Software with microscopic measurement tools included**

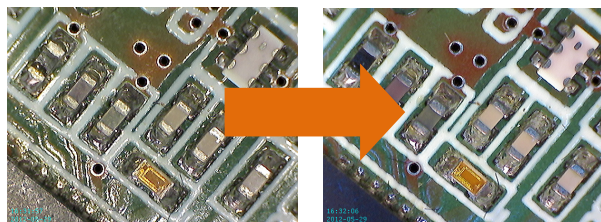
This cutting edge digital polarizing video microscope is ideal for jewelers, engineers, and scientists where close-up inspection and recording is essential. The video microscope sends live video instantly to laptops, desktops and tablets. The GT820 enables professionals to take microscopic measurements, share images, and keep digital records. The GT820 delivers these advanced capabilities, and much more, at a small size and truly economical cost.

Better Vision Better Results

GT820

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 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
Bundled Accessories	Includes 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



Applying Polarizer

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SOPHISTICATED

MEASUREMENT SOFTWARE

The GT820 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, measure, store and view images and videos in real time. Its intuitive interface empowers users to get right to work anytime and anywhere.



POWERFUL MAGNIFICATION AND POLARIZATION

The GT820 empowers jewelers, scientists, engineers, and QA teams 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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