



LEEDS N-IRC

Near-Infrared Color Camera & Software Upgrade Kit for Zeiss Stemi 508

The Leeds N-IRC **Near Infrared (N-IR)** and **white light imaging kit** provides a single CCD color camera for the Zeiss Stemi Stereo Microscopoe -- yielding real-time, high contrast, visible light (color) and N-IR images.

N-IRC kit includes Leeds Vision & Annotation software. All software measurements include

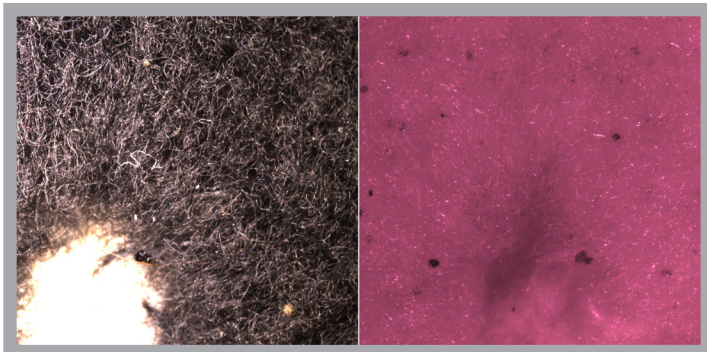
and ISO/IEC 17025:2017 accredited certificate of calibration that is traceable to NIST standards.



The N-IRC kit is available as an upgrade for your Zeiss Stemi microscope, or as part of a new Stemi system.

White Light

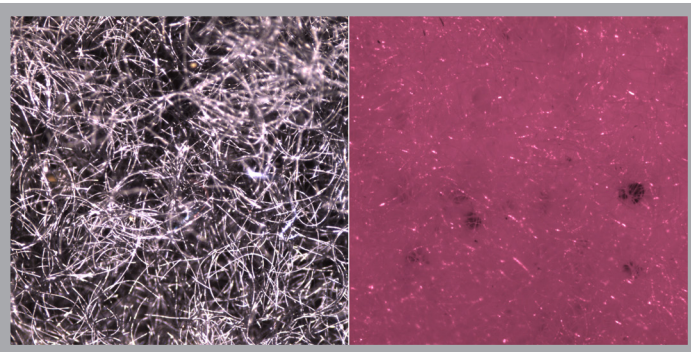
Infrared Light



Gun Shot residue image taken at low magnification

White Light

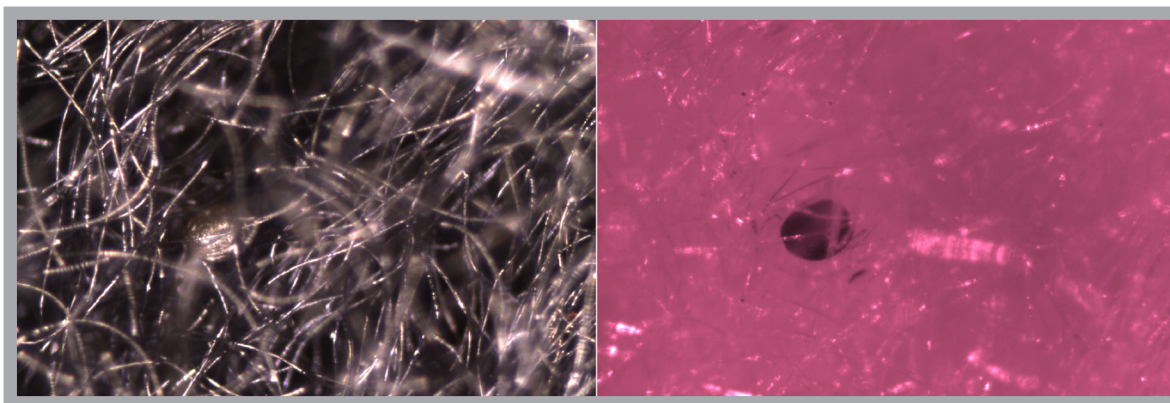
Infrared Light



Gun Shot residue image taken at medium magnification

White Light

Infrared Light



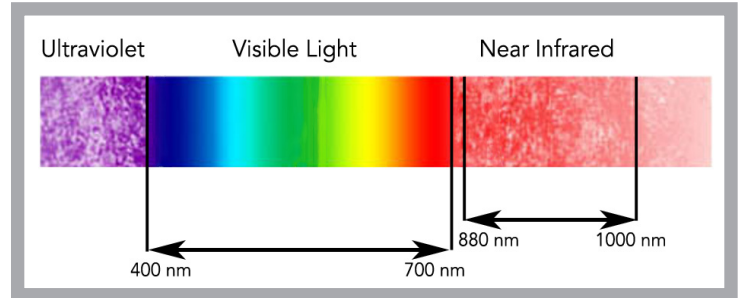
Gun Shot residue image taken at high magnification



Leeds N-IRC Kit Specifications

Camera:

- 2.8 MP CCD camera with 16-bit color.
- Highly sensitive and light efficient for both the visible and near-infrared spectrums.
- Up to 40 frames per second live refresh rate at full resolution and full bit depth.
- 65db Dynamic Range.
- Camera is software-controlled with adaptive autobrightness/exposure control.



S Filter Adapter (2-position):

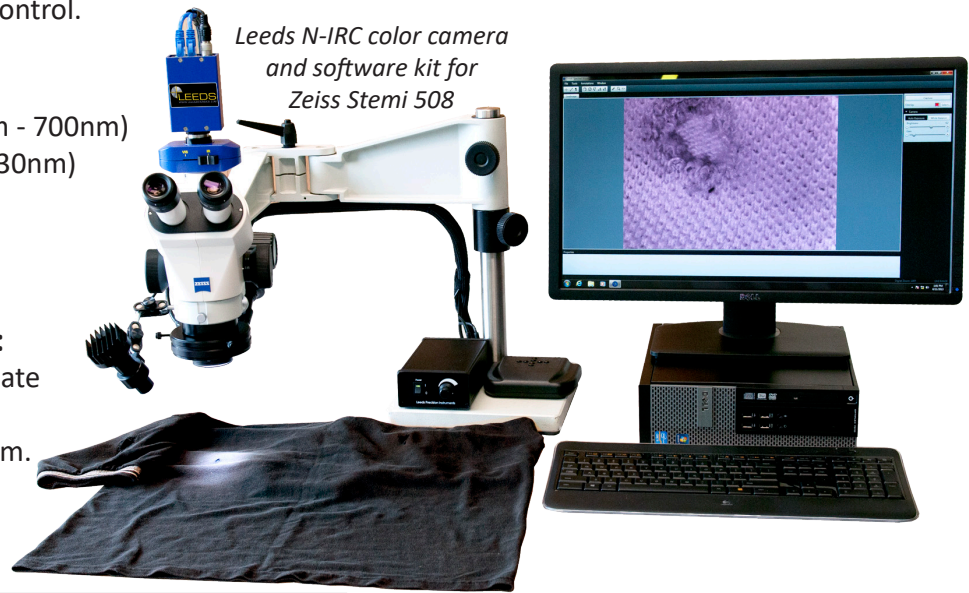
- Visible light images (400nm - 700nm)
- Infrared images (LP filter 830nm)

IR Spot LED Illuminator:

- 860 nm LED.

Leeds Custom Base Assembly:

- Leeds Boom Stand, Base Plate & Column.
- Leeds Articulated Boom Arm.



Leeds N-IRC color camera and software kit for Zeiss Stemi 508



Zeiss Stemi 508 Stereo Microscope:

- Trinocular body, Greenough Design.
- 7.7:1 apochromatically corrected zoom optics with a magnification range of 0.65x-5x (6.5x-50x with 10 x eyepieces.)
- Zoom range has 10 click stops for repeatable calibrated observations.
- Eyepiece PL 10x/21 br focus.

Software:

- Leeds Vision Software provides control of the camera and allows the capture and saving of digital images in standard image formats (TIFF, JPEG, BMP, PNG) with metadata.
- Provides annotation and pre-calibrated measurement tools, along with the capability to perform side-by-side comparisons of two captured images.
- Includes an ISO/IEC 17025:2017 certificate of calibration for all measurement functions of the N-IRC system traceable to NIST standards.

