

NCFL's HIROX KH-7700 3D Digital Video Microscope

Features and Specifications

- 2D images from directly above sample, or from a variety of oblique angles
- 3D images obtained from and oblique, 360° rotating prism
- Calibrated measurements from 2D or 3D images, including distances between points or lines, arc lengths, radii, and angles
- Image manipulation features: image preview, split, reflect, rotate
- Anti-halation image processing for removing reflections from specular surfaces
- DVD multi drive for storing data in DVD-RAM, DVD+/-RW, DVD+/-R, CD-RW or CD-R formats

Illumination

- Metal halide lamp for balanced color spectrum
- Co-axial lighting for bright and dark field imaging
- variable-angle lighting for vertical or side illumination
- backlighting, diffuse, and polarized lighting
- differential interference lens for enhancing surface detail

Image Comparison and Synthesis

- Detects and displays differences between an image and a reference image
- Generate single, focused 3D image from a series of 2D images
- Automatic zoom calibration

3D Profile

- Automatic focus control
- Section profile for displaying height histogram
- Wireframe for displaying surface information
- Surface view and lighting function
- Volume/Area measurements