

# Zeiss Axiophot Detailed Description

The Zeiss Axiophot is equipped with a 2 Megapixel Diagnostic Instruments RT KE Slider digital camera and Metavue software for image acquisition, processing and analysis. The camera can be used in a 12 bit monochrome mode for fast imaging of low light level fluorescence or a 24 bit color mode for acquisition of brightfield images where true color is required. In color mode the red green and blue images are acquired sequentially and then combined automatically, thereby avoiding the loss of resolution associated with mosaic chips. An Image Overlay module in Metavue permits users to overlay multiple fluorescence and transmitted light images. The software has been calibrated so that areas and distances can be quantified.