

Technical Specifications for Surgical Microscope

Microscope Body: Stereozoom microscope with Greenough Optics including camera port

Illumination: Gooseneck dual interlock light guide LED illuminator with min. 50,000 hrs operating hours.

Zoom: Manually operable zoom 5:1 switchable zoom click stops. Magnification range without interchangeable optics: 8X – 40X

Working Distance: Without interchangeable optics: 110 mm

Eyepieces: 10x/FOV 22 viewing angle: 45 deg. Interpupillary adjustment: 55-75 mm

Stand: Stand base with large working surface & column with drive and handle. Additionally included:- B/W plastic plate & dust cover

Digital Cooled CCD Camera: Monochrome cooled CCD camera should have- 2/3 inch or larger CCD sensor, minimum resolution of 1.4 mega pixel camera with pixel size of at least 4.54 μm x 4.54 μm or higher, bit depth of at least 14 bit, binning options of 2x2, 4x4, 8x8 or better. Frame rate of at least 15 fps per second at full resolution.

Imaging Software: Image & video acquisition, user experience customization, Document groups for side-by-side image comparison, Tile view (multiple images in a single data set shown side-by-side), annotation, interactive measurements, scale bar, etc.

System Integrity: For better system integrity the microscope and camera should be from the same manufacturer

Warranty: Standard warranty for three years.