



The Wallach Tristar Colposcope is a triple magnification colposcope that offers high resolution stereoscopic optical viewing and many options. The Trulight Tri Series Colposcopes provide three magnification levels (8, 13, and 21), and can be fitted with USB video capability for EMR systems, or stand-alone use. The TriStar Scope provides a bright, clear image. Combined with Trulight, you have an outstanding diagnostic tool.

Wallach's highly versatile TriScope/Star series offers an optical pathway for a direct view. This family of fixed triple magnification colposcopes features a built-in dual optical beamsplitter which permits the attachment of 35 mm photographic accessories (traditional and digital), video, and co-observation (teaching) tube. All Wallach colposcopes now feature the Trulight LED lighting system for brighter, whiter light. No need to ever change a light bulb again.

The colposcopes deliver the 3D image needed to detect subtle tissue abnormalities and to perform colposcopically directed biopsies and surgery with optimum hand/eye coordination. TriStar offers the same optics as Triscope on a five point base with center post, offering a more compact unit for the budget and space conscious.

## Features

- Video, photography, and/or teaching tube may be added simply at any time and at low cost for future needs.
- Retractable vessel delineation filter is incorporated to provide clear visualization of vascular patterns.
- Image obtained through the accessory ports is identical to that viewed through the binocular tubes via the optical beamsplitter.
- Sturdy, compact base saves valuable space.



# Specifications

## Power

100-120V/200-240V AC, 50/60Hz, 100VA

## Standard Optical Configurations

Objective lens (working Distance): 300 mm  
 Total Magnification: 8x, 13 x & 21x  
 Field of View: 8.5x=23.4mm, 13.6x=14.6mm, 21.3x=9.4mm  
 Depth of Field: 8x=3.1mm, 13.6x=1.2mm, 21.3x=0.9mm  
 Ocular (eyepieces): 16x Highpoint, with locking diopters  
 Diopter Adjustment: Independent adjustment with position locking -6/+4  
 Inter pupillary Range: 54mm to 80mm  
 Tilt of Viewing Head : 59 degrees  
 Binocular Tube Design : Straight  
 Binocular Tube Length: 160 mm  
 Magnification Changer Factor: 1.0x, 1.6x, 2.5x  
 Vessel Delineation Filter: Yes

## Illumination

Light Emitting Diodes (LED) (5000/7000 degrees Kelvin) Green LED for blood vessel delineation.

## Environmental Conditions

Environmental Temperature: between +10 °C and +40 °C  
 Relative Humidity: between 10% and 90%  
 Air Pressure: Between 700 hPa and 1060 hPa  
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## White LED Light Specifications

Correlated Color Temperature : 3000-3200k  
 Rendering Index : 90 min  
 Radiometric Power: 80 mW  
 Total Irradiance: less than 1 w/m at max intensity  
 Lifetime [max. drive I=1000mA] : min. 25,000 hours

## Green LED Light Specifications

Average Wavelength: 520 - 535 nM  
 Radiometric Power: 80 mW  
 total Irradiance: Less than 1 W/m at max intensity