

# OPTICAL VS DIGITAL COLPOSCOPES

According to the NHS article linked below, "Colposcopists using the video colposcope had more unsatisfactory exams of the endocervical canal than did colposcopists using optical colposcopes."

## SEILER MEDICAL OPTICAL COLPOSCOPES

Seiler colposcopes use German Schott glass for superior resolution, color & clarity. Seiler's colposcopes provide clear and detailed, high resolution images.

Seiler Colposcopes offer true depth of field which is very important when performing biopsy and other procedures.

The Seiler optical colposcope provides real-time visuals with no delays.

Seiler Medical's colposcope stands out for its durability and cost-effectiveness. Constructed with high-quality materials, it is designed for long-term use with minimal maintenance.

The Seiler optical colposcope offers seamless integration with electronic medical records (EMR) systems, significantly enhancing documentation and workflow by connecting directly to a variety of EMR systems.

The VarioFocus accessory allows the end user to maintain focus over a wide working distance range of 198mm to 455mm without moving the colposcope back and forth which is unique to Seiler

Full range of accessories: 4K cameras with large 4K monitors for patient and resident teaching, 28-megapixel cameras, micro-manipulator, laser filters, binocular heads, EMR, dual iris, assistant heads, and more.

# VS



**Image Clarity**



**Depth Perception**



**Latency**



**Durability**



**EMR Integration**



**Working Distance**



**Accessories**



## COMPETITOR DIGITAL COLPOSCOPES

Digital colposcopes use cameras on a 2D monitor. Seiler's optical system remains unmatched for precise medical diagnostics.

Digital colposcopes lack depth perception which can make it challenging for doctors to perform a biopsy.

Digital colposcopes have latency, which remains a notable disadvantage compared to the seamless performance of optical colposcopes.

Digital colposcopes generally come with a limited warranty on electronics which may not last as long as optical colposcopes.

Digital colposcopes lack the advanced EMR integration that Seiler offers and require additional steps to bring images into EMR systems.

Typically users must move the unit to refocus and can only stay in focus between 250 -300mm during a procedure reducing efficiency.

Digital colposcopes have no ability to attach additional accessories. A person is stuck with this system which is typically using a 1920x1080 CMOS sensor which produces only 2-3 megapixel images.

**Seiler Optical Colposcopes can do everything a digital colposcope can do but with better quality, accessories, options, and warranty.**

\*Colposcope article reference: <https://pubmed.ncbi.nlm.nih.gov/25950890/>