

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

VS

COMPETITOR DIGITAL COLPOSCOPES

Seiler colposcopes use German Schott glass for superior resolution, color & clarity.



Image Clarity



Digital colposcopes use cameras with a 2D monitor. Seiler's optical system remains unmatched for clear & detailed images.

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



Depth Perception



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

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



Latency



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

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.
Lifetime warranty on mechanics & optics in USA



Durability



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

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.



EMR Integration



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

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



Working Distance



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

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.



Accessories



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/>