



ATMOS i View 21 COLPO /
ATMOS i View 31 COLPO

The colposcope for dysplasia screenings and surgical procedures

*Exactly
what
I need*

i View COLPO

A system for perfection

The ATMOS i View COLPO colposcope sets standards in terms of light intensity, depth of field, and intuitive handling. Its LED lighting, high-resolution optics, and HD camera technology are state-of-the-art. The innovative Hemoglobin Absorption Spectral Imaging (H.A.S.I.) filter method provides unsurpassed contrast enhancement of vessels on the mucosa for the early detection of precancerous lesions of the cervix.



Designed,
developed and
made in Germany

The ATMOS i View COLPO fulfills the equipment requirements for billable colposcopic evaluations. GOP 01765

High image quality

- THANKS TO INNOVATIVE OPTICS**
- Optimum 3D representation due to the large stereo base
 - High optical resolution thanks to color-corrected lenses
 - Patented doubling of the depth of field
 - Five levels of magnification from 4.3- to 17-fold (f = 300 mm) or the option of infinitely variable magnification
 - Patented LED technology

Reliable diagnosis

- THANKS TO THE H.A.S.I. FILTER METHOD**
- 20 percent increase in the contrast of vessels to the mucosa
 - Better contrast allows for better detection of vascular changes and capillary indicators

Easy working

- THANKS TO SIMPLE USE**
- Concentrated, trouble-free, and fatigue-free working
 - Harmonized illumination and operation

Optimum integration

- THANKS TO DIGITAL INTEGRATION INTO THE PRACTICE SOFTWARE**
- Intuitive operation and digital integration into the existing practice software
 - Quick dysplasia screenings and fast documentation process using the documentation software ATMOS iDocuments GYN



Priv. Doz. Dr. med. Volkmar Küppers,
Düsseldorf
President of the Association for
Cervical Pathology and Colposcopy

“The excellent optics combined with innovative features is what really convinced me.”

ATMOS WORKFLOW

Image quality? Excellent.

The ATMOS i View COLPO provides optimum support to gynecologists during their workflows with its modern LED technology, an extended stereo base, and extra large exit pupils. Due to the enormous depth of field, the microscope's focus rarely has to be readjusted, if at all.

INNOVATIVE OPTICS

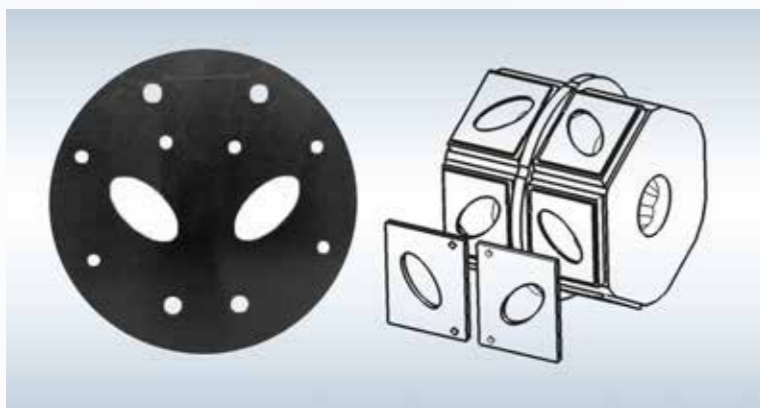
A completely new optical system was developed for the ATMOS i View COLPO that produces high-resolution and color-corrected 3D images. The 24 mm stereo base ensures a brilliant spatial impression. The extra large exit pupils make it easier for the human eye to adapt to the eyepieces and promise fatigue-free and concentrated working, even over long periods.

LED TECHNOLOGY

The integrated LED lighting is the core of the ATMOS i View COLPO. It enables homogeneous illumination of the field of view, automatic white balancing, and low thermal stress on the mucosa. The patented technology of the ATMOS i View COLPO corrects the color temperature so that the colors of the viewed tissue are reproduced faithfully.

HIGH OPTICAL RESOLUTION

The patented cat's-eye diaphragms (image below: schematic drawing), which are modelled on the elliptical pupils of cats, can be used to improve the depth of field and resolution during colposcopy. "Depth of field Plus" is an option that increases the colposcope's already excellent depth of field by up to 200 percent depending on the magnification.



High
image quality

BINOCULAR ANGLED LENS TUBE

The microscope can be adjusted effortlessly to suit every work situation. You can choose between a straight tube and a 45° tube.



LENS WITH FINE FOCUSING

The lenses are available for working distances of 200 to 400 mm, with fine focusing available as an option. The focus is adjusted on the lens.



VARIOFOCUS

With the VarioFocus lens (200–500 mm), you are ideally prepared for varying procedures without needing to change lenses. Splash protection is available to protect the various lenses.



ADAPTER FOR MICRO MANIPULATORS

On request, an adapter for micro manipulators from manufacturers such as Limmer, KLS Martin, or TTI Medical enables the colposcope to be used in laser surgery or for laser therapies.



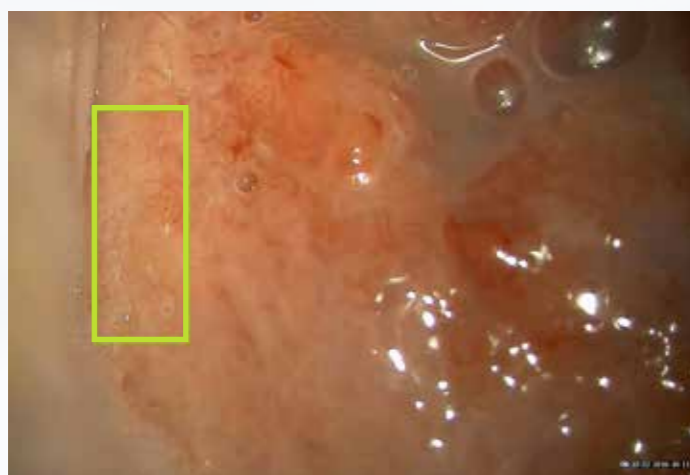
IDEAL FOR THE EARLY DETECTION OF CERVICAL CANCER

Superb contrast. With the H.A.S.I. filter.

By combining patented LED technology that is gentle to tissues with the optical filter implemented by ATMOS, structures are displayed with significantly greater contrast and clarity. Use of the H.A.S.I. filter shows an average of 20 percent better contrasting of vascular changes than that of the conventional green filter. This makes it easier to detect precancerous lesions of the cervix.

Reliable diagnosis

H.A.S.I. filter method
"Hemoglobin Absorption Spectral Imaging" for unsurpassed contrast enhancement of vessels on the mucosa



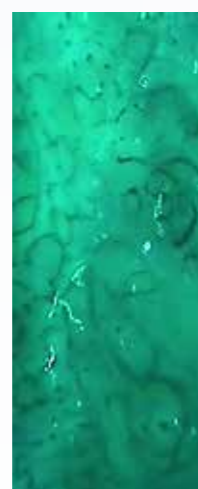
ROI – region of interest



ROI without filter



ROI green filter



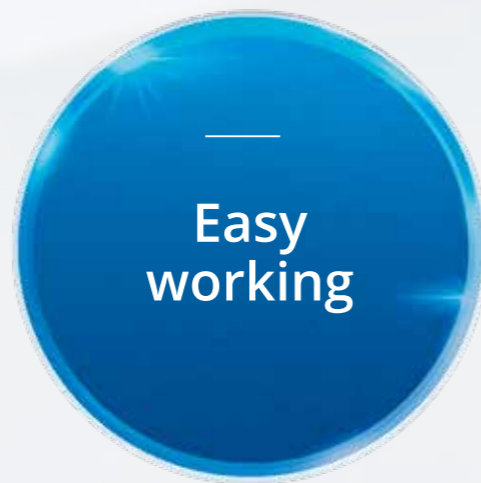
ROI H.A.S.I. filter



ATMOS i View COLPO

Examination? Comfortable.

The ATMOS i View COLPO has everything a top colposcope needs. It provides gynecologists with the best possible support during procedures, and thanks to its outstanding properties, enables them to concentrate on their work without being distracted.



FANLESS COLD LIGHT

Thanks to the integrated LED lighting, the light always follows the viewing direction. Excellent illumination of up to 120 klx (f = 300 mm) is achieved.

MEASURING SCALE

Dimension scale showable in any magnification setting. Display both in 3D image and on all camera images for precise documentation.

LARGE EXIT PUPILS

For perfect three-dimensional perception and comfortable, fatigue-free working.

ERGONOMIC HANDLES

The ATMOS i View COLPO follows the movements of the examining gynecologist easily.

CONTROL PANEL

Only a few clearly arranged buttons are needed for the intuitive operation of the microscope.

HD CAMERA

Razor-sharp images in HD quality for patient documentation thanks to the integrated full-HD camera.



TECHNICAL DATA

	ATMOS i View 21 COLPO	ATMOS i View 31 COLPO
Illuminance	f = 300 mm: up to 120 klx	
Color temperature	5000 K	
Stereo base	24 mm	
Mains voltage	100–240 V	
Camera	-	internal HD camera or external camera via endoport or E-mount with HD adapter

ACCESSORIES



ATMOS I VIEW COLPO ON TREATMENT CHAIR

The ATMOS i View COLPO can be precisely adapted to individual needs. Its numerous features make it a flexible all-round product for gynecologists, and its superior and high-quality technology is pioneering. The colposcope holder enables the ATMOS i View COLPO to be integrated with the examination and treatment chair.



LOCKABLE MOBILE FLOORSTAND

The ATMOS mobile floorstand makes it possible to secure the colposcope in a specific position during the examination or to transport it to another examination room if necessary. Equipped with sturdy rollers each with its own brake, the mobile floorstand can be moved or locked easily and provides more flexibility for changing examination situations.

ATMOS iDocuments GYN

Documentation process? Optimized.

Two products that complement each other perfectly: With ATMOS iDocuments GYN, ATMOS MedizinTechnik offers gynecologists innovative documentation software that allows them to carry out and document dysplasia screenings more quickly. In combination with the ATMOS i View COLPO, the documentation software, which can be easily integrated into existing IT environments, ensures optimal examination results. It also offers flexible image recording, a digitized colposcopy report template for documentation, and easy export of examination results via the DICOM or GDT interface.



Optimum
integration

info

ATMOS iDocuments GYN

Read the ATMOS iDocuments GYN brochure and discover the unique advantages the ATMOS iDocuments GYN has to offer for daily work routines in gynecological practices, clinics, or hospitals.



Scan the QR code
and download
the brochure



DEVELOPED FOR GYNECOLOGISTS

ATMOS iDocuments GYN was developed in close cooperation with leading experts and has several special technical features that make it possible to perform time-consuming examination and documentation steps much more quickly and conveniently. With the new ATMOS software, patient master data can be imported easily and quickly from the local information system. The image editing function can be used to add graphic markers or text to the individual images. And for

faster reporting, ATMOS iDocuments GYN offers a completely digitized colposcopy report template based on IFCCP nomenclature: within the software, the individual fields can be activated or deactivated simply by clicking on them, or additional notes can be added to individual images using the comment function. All this not only makes examining and documenting more convenient for gynecologists, but also results in significant time savings — for every dysplasia screening.

VALUED BY IT SPECIALISTS

The ATMOS iDocuments GYN software is a closed stand-alone system that requires no local installations on end devices and can be easily connected to the existing practice/hospital system via integrated DICOM or GDT interfaces. The software works on all PCs and tablets with a Windows, macOS, or Android operating system.

It can be accessed and operated easily and conveniently via the browser interface. This makes ATMOS iDocuments GYN the optimal solution for IT teams seeking documentation software for the gynecological practice or hospital that is easy to install, use, and maintain.



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To go to the ATMOS iView COLPO
web page, scan the QR code.