

COLPOSCOPE

AC-5000 Series

Optical Colposcope

An integrated view of your workflow.

A 5-step optical colposcope with apochromatic optics, a 250–430 mm variable objective, LED illumination and a built-in Full HD or 4K camera depending on configuration, on a mobile floor stand with swing arm.

5-step

Manual magnification

**250–430
mm**

Variable objective

Full HD / 4K

Built-in camera, by model



Highlights

Illumination modes

Blue filter, green filter and natural-white light are standard, with NoGlare mode and a laser filter available as options.

Horizontal adjustment

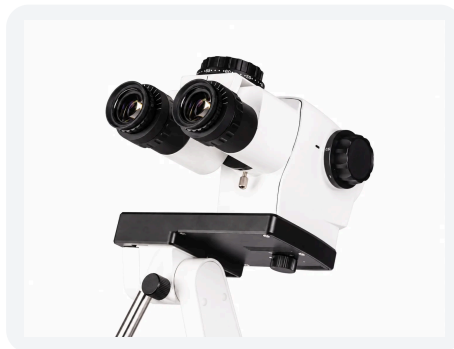
The main optics can be adjusted horizontally, so the user can observe level or at an angle while keeping a comfortable posture.

Designed around the user

A multi-function handle and generous space under the head make the colposcope easy to operate. Cables run inside the arms for a tidy, freely moving system.

Full HD or 4K imaging

The built-in camera is Full HD or 4K depending on configuration, and a monitor bracket can be fitted later without changing the look of the unit.



Key features

- Manual 5-step magnification: 2.8X to 17.7X with the 300 mm objective.
- 250–430 mm variable objective standard; 300 mm objective optional.
- Straight binocular with interpupillary adjustment; 45° or 0–180° head optional.
- Blue filter, green filter and natural-white illumination; NoGlare mode and laser filter optional.
- Horizontal adjustment and built-in cable design.
- Built-in Full HD or 4K camera, depending on configuration, with monitor bracket.
- Mobile floor stand with 5 wheels and swing arm.

Specifications

OPTICS & OBSERVATION

Magnification	Manual 5-step: 2.8 / 4.4 / 7.1 / 11.3 / 17.7X with 300 mm objective
Binocular	Straight binocular with interpupillary distance adjustment (standard); optional 45° binocular or 0–180° adjustable binocular
Interpupillary distance	50–75 mm
Eyepiece	12X/18B standard; 10X/21B optional; diopter ±7D
Optics	Premium apochromatic technology
Optical extender	Optional 30° or 45° binocular extender with angle rotation device
Objective	250–430 mm variable objective standard; 300 mm objective optional

LIGHT & ILLUMINATION

LED life	≥50,000 hours
Illumination	Maximum 60,000 lux with 300 mm objective
CRI / colour temperature	CRI ≥85%; 5700K
Illumination modes	Standard: blue filter / green filter / natural white light. Optional: NoGlare mode / laser filter

IMAGING & DOCUMENTATION

Camera configuration	Built-in Full HD (1080P) or built-in 4K camera, depending on configuration; monitor bracket
Camera sensor	1/2 inch Sony high-sensitivity, low-noise CMOS; 4K camera: 1/1.8 inch Sony 4K CMOS
Camera resolution	HD 1080P 60 FPS (16:9) or 4K 3840 × 2160 60 FPS (16:9), by camera configuration
Storage	External USB flash disk (FAT32 / NTFS, up to 64GB); JPG pictures and MP4 video
Camera functions	Freeze, photo, video, automatic exposure, white balance, playback and cross curve
Image controls	Exposure, brightness, gain, red/blue gain, saturation, contrast, definition and HDR; horizontal/vertical flip, zoom, AOI and image comparison
Connectivity / systems	Wi-Fi and HDMI transmission (double HDMI outlet); Windows; Android and iOS

POSITIONING & INSTALLATION

Power	Input AC100–240V, 50/60Hz; output DC12V/3A; 25–60VA
Support	Mobile floor stand with 5 wheels; swing arm
Positioning	Joystick-operated head; horizontal adjustment; built-in cable design

Options

- Built-in Full HD (1080P) or 4K camera.
- 45° or 0–180° binocular head (straight head standard).
- 300 mm objective (250–430 mm variable standard).
- 30° or 45° binocular extender with angle rotation device.
- NoGlare mode or laser filter.

Accessories

- 45° or 0–180° binocular head
- 10X/21B eyepieces
- 30° or 45° binocular extender with rotation device
- 300 mm objective
- Laser filter

Specifications can change and may vary by configuration. Confirm the supplied specifications before ordering.

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