

COLPOSCOPE

AC-3000 Series

Optical Colposcope

Optical observation, with 4K output.

An optical colposcope with manual 3-step or 5-step magnification, a 300 mm objective (250–430 mm variable optional), apochromatic optics and a built-in 4K camera, with blue, green and natural-white illumination plus NoGlare mode and a laser filter.

3 or 5

Magnification steps

300 mm

Standard objective

4K

Built-in camera



Highlights

Variable working distance

With the optional 250–430 mm variable objective you can focus at different depths without moving the colposcope head. A 300 mm fixed objective is standard.

Inclinable binocular head

The optional 0–180° inclinable binocular lets each user set a comfortable viewing height and angle.

Precise positioning

A fine-adjusting handle tilts the head precisely towards the patient, and horizontal adjustment allows observation level or at an angle.

NoGlare mode and built-in 4K camera

Cross-polarised NoGlare mode suppresses reflections from metal instruments so colour nuances in tissue stay visible. The built-in 4K module captures photos and video to a USB disk.



Key features

- Manual 3-step magnification; manual 5-step optional.
- 300 mm objective standard; 250 mm, 400 mm or 250–430 mm variable objective optional.
- Straight binocular standard; 45° or 0–180° inclinable binocular optional.
- Built-in 4K camera.
- Blue, green and natural-white illumination, NoGlare (polarisation) mode and laser filter.
- Fine-adjusting handle for tilting observation, horizontal adjustment and integrated cable management.
- Tilting stand standard; rolling stand optional.

Specifications

OPTICS & OBSERVATION

Magnification system	Manual 3-step (standard) or manual 5-step (optional)
Magnification at 300 mm objective	3-step: 2.8 / 7.1 / 17.7X · 5-step: 2.8 / 4.4 / 7.1 / 11.3 / 17.7X
Objective	300 mm standard; optional 250 mm or 400 mm, or 250–430 mm variable objective
Binocular	Straight binocular with interpupillary distance adjustment (standard); optional 45° binocular or 0–180° inclinable binocular
Interpupillary distance	50–75 mm
Eyepiece	12.5X/18 mm standard; optional 10X/21 mm or 25X/11 mm
Optics	Premium apochromatic technology
Optical extender	Optional 30° or 45° binocular extender

LIGHT & ILLUMINATION

Illumination	Built-in LED; up to 60,000 lux with a 300 mm fixed-focus objective; CRI ≥85%; 5700K; LED life ≥50,000 hours
Illumination modes	Blue filter / green filter / natural white light; NoGlare (polarisation) mode for reflection protection; laser filter

IMAGING & DOCUMENTATION

Camera sensor	1/1.8 inch Sony 4K high-sensitivity, low-noise CMOS
Camera interfaces	HDMI 1.4 ×1; USB 2.0 ×2
Camera resolution	4K 3840 × 2160, 60 FPS (16:9)
Storage	External USB flash disk (FAT32 / exFAT / NTFS); JPG pictures and MP4 video
Camera power / split	12V; 30–45VA; split ratio 2:8
Capture output	Video 1080P; still image 8M (3840 × 2160)
Camera functions	Freeze, photo, video, automatic exposure, white balance, playback, cross curve and sound recording; image-effect and system settings; 11 languages
Measurement	Point-to-point distance, circle and marker tools

POSITIONING & INSTALLATION

Power	Input AC100–240V, 50/60Hz; output DC12V/3A; 25–60VA
Stand	Tilting stand standard; rolling stand with mobile base optional
Positioning	Fine-adjusting handle for tilting observation; horizontal adjustment; integrated cable management

Options

- Manual 3-step or 5-step magnification.
- 45° or 0–180° binocular (straight standard).
- 250 mm, 400 mm or 250–430 mm variable objective (300 mm standard).
- 30° or 45° optical extender.
- Rolling stand (tilting stand standard).

Accessories

- 10X/21 mm or 25X/11 mm eyepieces
- 250–430 mm variable objective
- Straight, 45° or 0–180° binocular head
- Tilting or rolling base

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

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