

OPERATION MICROSCOPE

YSX Series

Operation Microscopes

A straightforward optical setup.

Operation microscopes with three-step magnification, a straight binocular head, LED illumination with green and blue filters, and a pantograph arm.

YSX-101 Operation Microscope · YSX-120 Compact Operation Microscope



Highlights

Three-step magnification

Three magnification steps cover a 2.4X–12X total range for everyday examination and procedures.

LED illumination

A long-life LED with green and blue filters selected by a lever.

Choice of objectives

F=200 or 250 mm objectives, with F=300 or 400 mm available to suit the working distance.

Pantograph arm

The YSX-101 has a 1500 mm pantograph arm and the YSX-120 a 1600 mm arm, for positioning over the working area.





OPERATION MICROSCOPE

YSX-101 Operation Microscope

Product code ALMYSX101

Entry-level 3-step operating microscope for ENT, ophthalmology, stomatology, gynaecology and general surgery, with multiple working-distance objectives, LED illumination and a pantograph-style arm.

3-step

Magnification

2.4-12X

Total magnification

1500 mm

Pantograph arm

Key features

- Three-step magnification with a total range of 2.4X-12X.
 - Top-mounted 10W LED with 20,000-hour lifespan and 50,000 lux object illumination.
 - Green and blue filters selected by a lever.
- F=200 or 250 mm objectives; F=300 or 400 mm optional.
 - 1500 mm pantograph arm.
 - Straight binocular head; the related YSX-102 is the 45° version.

Specifications

OPTICS & OBSERVATION

Binocular observation	Straight (YSX-102: 45° tilted)
Observation magnification	6X
Magnification handwheel	3-step: 0.6X / 1X / 1.6X
Objectives	F=200 / 250 mm; optional F=300 / 400 mm
Total magnification	2.4X-12X
Field diameter	7.88-81 mm
Fine focus	10 mm
Beam splitter / demonstrator / TV / photo adapters	Not available on YSX-101

LIGHT & ILLUMINATION

Filters	Green and blue filters, selected by a lever
Illumination	Top-mounted 10W LED; 20,000-hour LED lifespan; 50,000 lux object illumination

POSITIONING & INSTALLATION

Power supply voltage	90V/60Hz to 250V/50Hz
Balancing arm	Two-part arm; 1500 mm pantograph arm
Stand	Two-part column on a five-star base

Options

- 200 mm or 250 mm objective.
- 300 mm or 400 mm objective (optional).



OPERATION MICROSCOPE

YSX-120 Compact Operation Microscope

A compact operation microscope for multiple specialties, with three-dimensional viewing, LED illumination, selectable filters and a long pantograph arm. The longer-reach sibling of the YSX-101.

1600 mm

Pantograph arm

3-step

Magnification

2.4–12X

Total magnification

Key features

- Straight binocular head; the related YSX-130 is the 45° version.
- 1600 mm pantograph arm.
- F=200 or 250 mm objectives; F=300 or 400 mm optional.
- Three-step magnification pod (0.6X / 1X / 1.6X) with 6X observation.
- 2.4X–12X magnification and 7.88–81 mm field diameter.
- Green and blue filters.
- 10W LED with 20,000-hour lifespan and 50,000 lux object illumination.
- Optional beam splitter, monocular demonstrator, C-mount TV adapter and photo adapter.

Specifications

OPTICS & OBSERVATION

Applications named by Alltion	Ophthalmology, stomatology, gynaecology, ENT and surgery
Binocular observation	Straight (YSX-130: 45° tilted)
Observation magnification	6X
Magnification handwheel	3-step: 0.6X / 1X / 1.6X
Objectives	F=200 / 250 mm; optional F=300 / 400 mm
Total magnification	2.4X–12X
Field diameter	7.88–81 mm
Fine focus	10 mm
Optional (YSX-120 / 130)	50:50 beam splitter; 6X monocular demonstrator; C-mount 1/3 inch CCD TV adapter; photo adapter

LIGHT & ILLUMINATION

Filters	Green and blue filters, selected by a lever
Illumination	Top-mounted 10W LED; 20,000-hour LED lifespan; 50,000 lux object illumination

IMAGING & DOCUMENTATION

Camera supply	DC12V output for a CCD camera
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POSITIONING & INSTALLATION

Power supply voltage	90V/60Hz to 250V/50Hz
Balancing arm	Two-part arm with adjustable counterweight; 1600 mm pantograph arm
Stand	Two-part column on a five-star base

Accessories

- YSX-102 version with a 45° inclined binocular
- 300 mm or 400 mm objective
- 50:50 beam splitter
- 6X monocular demonstrator
- C-mount TV adapter for a 1/3 inch CCD camera
- Photo adapter
- YSX-130 version with a 45° inclined binocular

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

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