

GX Healthcare

product datasheet

Operating Microscope Range

The GX Healthcare range of operating microscopes provide outstanding quality viewing at great value prices. This makes them ideal for health departments and clinics with limited budgets who still require high performance and convenient ergonomics.

The microscopes are all supplied with integral high intensity illumination systems, highly flexible microscope head mounts for comfortable, prolonged viewing and stable stands.

The range includes multiple viewing ports, camera attachments, motorisation with foot pedal control and, of course a range of optical magnifications. Some models include motorised zoom and motorised focusing systems. The illumination systems are cold light sources.

These microscopes are used in operating theatres, clinics, dentists, veterinary practices and research laboratories.



YSX-101



YSX-102



YSX-120



YSX-107



SOM-2000C



YZ-20P5



YSX-104



LZJ-11

Specifications and Descriptions:

YSX Series

The YSX range includes 12 models of high quality operating microscopes, a selection of the most popular models are featured in this datasheet. The models come with a variety of mounting, viewing and working distance facilities to suit different applications.

All models are equipped with halogen-tungsten lamps and cold-light fibre-optic coaxial illumination. They are ideally suited to meet the needs of surgeons in the fields of the orthopaedics, general surgery, brain surgery, ear-nose-throat surgery, ophthalmology, gynaecology, veterinary surgery and dentistry.

They are also widely used in industry where ultimate image quality, illumination quality, comfort and long reach are required.

Observation Unit for 101, 102, 120 models

Binocular straight observation unit	f'=87mm
Binocular tilted observation unit	f'=87mm,f'=174mm
Focal length of objective assembly	f'=200mm,f'=250mm,f'=300mm,f'=400mm
Magnifications	0.6X,1X,1.6X
Stand	both floor type and table type available
Movable arm	both long and short arms available

Model	Description
YSX-101	Binocular straight observation, long arm and floor type
YSX-102	Binocular titled observation, long arm and floor type
YSX-120	Binocular straight observation, long arm and floor type. Camera or secondary observation tube attachable.
YSX-104	Binocular straight observation, long arm and table type

YSX-107 (Multi-Function)

1. Straight binocular observation unit (F=87mm)	6x
2.	Ophthalmology, ear and nose
F=200mm	
F=250mm	General Surgery
F=300mm	Neurosurgery and Brain
F=400mm	Throat and gynaecology
3. Magnifications	0.6x,1x,1.6x
4. Total magnification	2.4x-12X
5. Fine focusing range	10mm

SOM-2000C (advanced zoom microscope)	
Magnification of eyepiece	12.5X/18B
Visual angle of eyepiece	60°-90°continuously adjustable
Working Distance	170mm
Magnification	4.5X-25X ZOOM
Diameter of Visual Field	Ø50- Ø9(mm)
Illumination	6°+0°coaxial illumination, 26°oblique illumination
Light source	12V 100W halogen lamp
Illumination control	continuously digital adjustable
Lux on objective plane	100,000LX
Focusing range and speed	40mm,speed continuously adjustable
X-Y range and speed	50mmx50mm,speed continuously adjustable

YZ-20P5 (light weight 33Kgs)	
<p>This binocular operating microscope provides 3 levels of magnification, very high definition images and a large field of view. The cold light source provides bright, comfortable and even illumination of the subject.</p> <p>The arm is finely balanced with tensioned springs allowing great freedom of movement and comfortable positioning at any position.</p> <p>This instrument provides control of position, magnification, focusing (can be controlled with footswitch) and inclination.</p>	
Focus Length of Objective lens	f200, 250, 300, 350(mm)
Magnification of Eyepiece	12.5X/16B
Working Distance	190 – 240mm
Inclination of binocular eyepiece tubes	45°
Dioptre adjustment range of eyepiece	+/- 6D
Interpupillary distance of eyepieces	50 – 70mm
Height of eyepiece eyecups	18mm
Magnification(f200)	5.3X,8X,12X
Diameter of Visual Field(f200)	Ø38&-Ø25,Ø17(mm)
Illumination	6°+0°coaxial illumination
Light source	12V/100W halogen lamp
Illumination control	continuously adjustable
Lux on objective plane	30,000 - 80,000Lx
Range and speed of focusing	30mm(2mm/s)
Maximum reach of arm	870mm
Vertical movement range (from floor to front of objective)	700 – 1100mm



LZJ-11 (Multi-function, Advanced)

Features:

This advanced operating microscope is suitable for almost any operating procedure.

Tiltable binocular tube system with a continuous tilting range of 0-90 deg.

Parallel optical path for the additional binocular and monocular viewing ports including full synchronisation of movement, focus, light path, magnification, field of view and orientation.

Motorized focusing system with a zoom rate of 1:5

Coaxial internal illumination system

Six degrees of freedom of movement

Range of stand's vertical movement	500mm
Fine focusing range	50mm Aiming speed @ 2mm/s
Microscope's range of movement - up and down and from side to side	180°
Motorised zoom speed	2r/m
Interpupillary distance of main and assistant' binocular heads	55 – 72mm
The head can be equipped with X-Y coupling, movement range	40mm
Cold light source illumination	24V150W
Maximum reach of stand's horizontal arm	1030mm
Swing angle of the carrier arm	240°
Working Distance	Diameter of Visual Field
f'=200	5-25X, 42.5 – 8.5mm
f'=250	4-20X, 53 – 10.6mm
f'=300	3.3-16.7X, 64 – 12.6mm
f'=350	3-14.3X, 74 – 15mm
f'=400	2.5-125X, 85 – 17mm



Supplied to you by:

[**www.gxmicroscopes.com**](http://www.gxmicroscopes.com)

Due to our policy of continuous development specifications may change without notice