

# SO-5000



... optics for life!

## Ophthalmic Microscope Series

- \* New digital technology!
- \* A fully integrated series of microscopes – choose the microscope that best suits you!
- \* Table and floor stand mounted microscopes.
- \* Foot controlled focus and zoom models and manual models.
- \* High resolution Olympus optics.
- \* High intensity coaxial LED light – remove the cost and inconvenience of spare bulbs for the life of the microscope.
- \* Operate from mains power (with internal regulation for voltage fluctuations) or 12V battery.
- \* Options include:
  - coaxial streaming video
  - assistant microscope
  - aluminium transit case.



# SO-5000 OPHTHALMIC MICROSCOPE SERIES - SPECIFICATIONS -



## OPTICAL HEAD

**Viewing System:** Binocular stereoscopic, convergent angle 10° for viewing comfort. Image erection by high resolution prism system.

**Eyepieces:** Tube inclination 45°  
High field number 22 for wide field of view  
High eye relief 24.6mm and reversible eye cups for ease of use by spectacle wearers.

**Magnification:** Zoom, 4.2x to 25x continuous.

**Field of view:** 53mm to 9mm depending on magnification.

**Refractive Error Correction:** ±5D anisometropia

**Pupillary Distance:** 50mm to 76mm, eyepiece tubes locked for ease of adjustment.

**Focussing:** Fine focus range ±25mm.

**Mould Protection:** Anti-fungus pellets (three year protection) standard.

## COAXIAL VIDEO

Power outlets for the camera and the monitor are provided on the microscope.

## ILLUMINATION

**Type:** Coaxial, direct optical delivery system.

**Lamp:** 20W LED, 75,000 lux, lifetime of the microscope

**UV and blue light hazard:** Filtered to 435nm

**Color temperature:** 4,100°K

## POWER SUPPLY

**Mains Input:** 100-240VAC, 50-60Hz, 2.0A max. @ 100VAC

**Mains Output Regulation:** < ±5%

**Protection:** Over voltage, over current and short circuit protection

**Battery Input:** 12VDC. Battery cable supplied.

**Approvals:** Medical grade approval  
CSA C22.2 No. 60601.1-M90  
UL 60601-1, 2nd edition  
cTUVus IEC 60601-1  
CE marked EN 60601-1-2:2001

## MOUNTING SYSTEM

**Arm:** Elbow and angle-poise movement in horizontal and vertical directions. Variable friction locks.

**Head Tilt:** +5° to -45°

**Vertical Tension:** Adjustable gas spring to set lifting force.

**Table mounting:** Left or right side of table.

**Materials:** Specially selected to resist rust and corrosion.

**Dimensions:** Vertical pillar to head optical axis, Max. 930mm (37")

## PACKAGING

**Microscope excluding floor stand:**

Dimensions of carton: 800 x 550 x 330mm

Weight in carton: 25kg

**Floor stand (two cartons):**

Dimension of each carton: 800 x 550 x 330mm

Weight in each carton: 22.5kg

**Scan Optics**  
32 Stirling Street  
Thebarton SA 5031  
Adelaide Australia

[www.scanoptics.com.au](http://www.scanoptics.com.au)

**Email:** [admin@scanoptics.com.au](mailto:admin@scanoptics.com.au)

**Fax:** +61 (8) 8234 9417

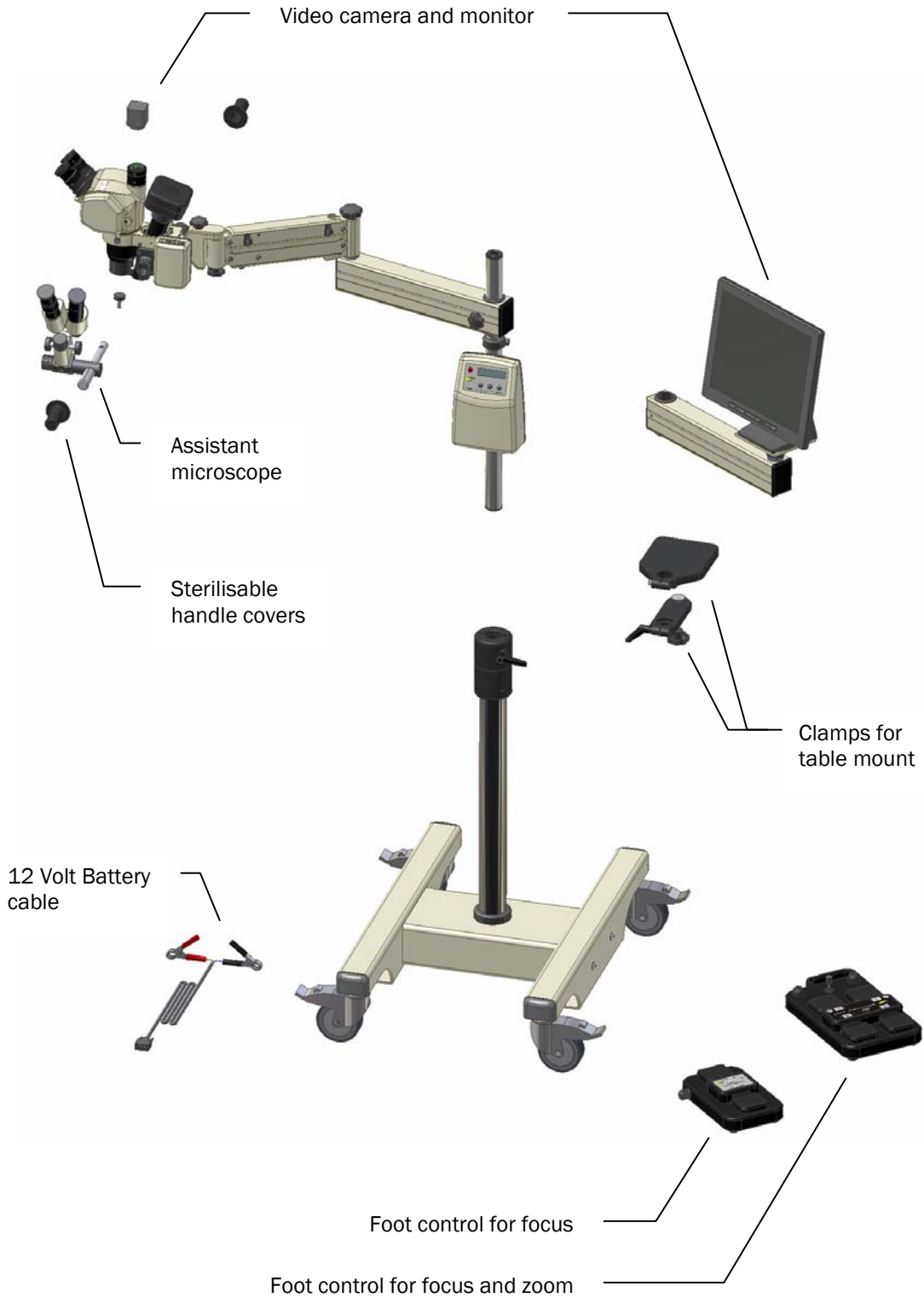
**Tel:** +61 (8) 8234 9120



Quality  
Endorsed  
Company  
Certified to  
ISO 9001

Lic. No. QEC 10722

# SO-5000 OPHTHALMIC MICROSCOPE SERIES - FEATURES AND OPTIONS -



## MODELS IN THE SO-5000 OPHTHALMIC MICROSCOPE SERIES

MODEL	FEATURES				
	Mounting System	Focus Control	Zoom Control	Coaxial Video	Assistant Microscope
<b>SO-5000 SE</b>	Floor Stand	Foot	Foot	Standard	Standard
<b>SO-5000 SFZ</b>	Floor stand	Foot	Foot	Option	Option
<b>SO-5000 S</b>	Floor Stand	Manual	Manual	Option	Option
<b>SO-5000 TFZ</b>	Table	Foot	Foot	Option	Option
<b>SO-5000 TF</b>	Table	Foot	Manual	Option	Option
<b>SO-5000 T</b>	Table	Manual	Manual	Option	Option

## OPTIONS

### Transit Case: SO-5000A Aluminium case

The aluminium transit case is available for table mounted models or for the pillar, arm and optical head assembly of the floor stand mounted models.

The floor stand is only shipped in cartons.



### Coaxial Video System: SO-1350

Complete with beam splitter, C-mount adaptor, video camera, large screen LCD monitor and monitor mounting arm, cables, power supply. The coaxial video system must be specified at the time of purchase- it cannot be retro-fitted later.



Weight of microscope when packed in aluminium case: 37.5kg

Dimensions when packed: 800 x 550 x 330mm

### Assistant Microscope: SO-1440

Binocular, non-coaxial assistant microscope can be fitted for either left or right side viewing.

