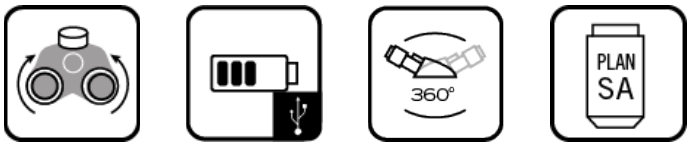
Motic®

STELLAR 1 SERIES

TEACHING LABORATORY BIOLOGICAL MICROSCOPE

STELLAR 1



Stellar series teaching and laboratory biological microscopes adopt a new structural design, with a smoother appearance and more stable performance.

The use of SWIFT infinity independent chromatic aberration correction optical system and broadband coated plan achromatic objective lens ensures high contrast of microscopic images, which is of great significance in improving optical performance and function expansion.

Stellar 1

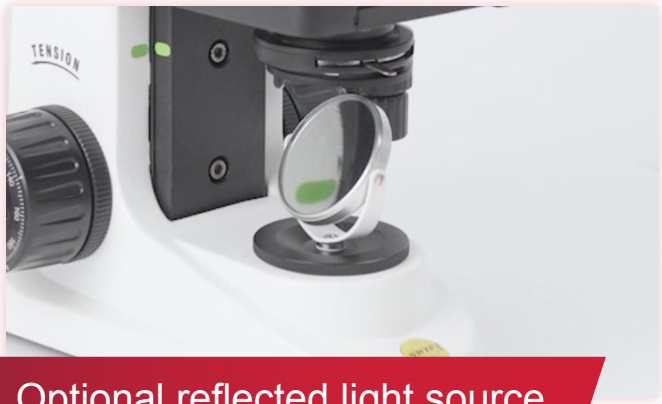
Stellar 1 Pro

Unique double slide storage

ERGONOMIC AND USER-FRIENDLY

Ergonomic and user-friendly design reduces strain on the user. The Siedentopf head, easily adjustable for different interpupillary distances without losing focus, is 30-degree tilted to reduce neck strain.

The focus knobs are positioned low to ensure that the hands can rest on the desk while using the microscope. The carrying handle, power adapter compartment, and power cord hanger are all integrated into the microscope stand for easy microscope transport and better storage of parts.



Optional reflected light source

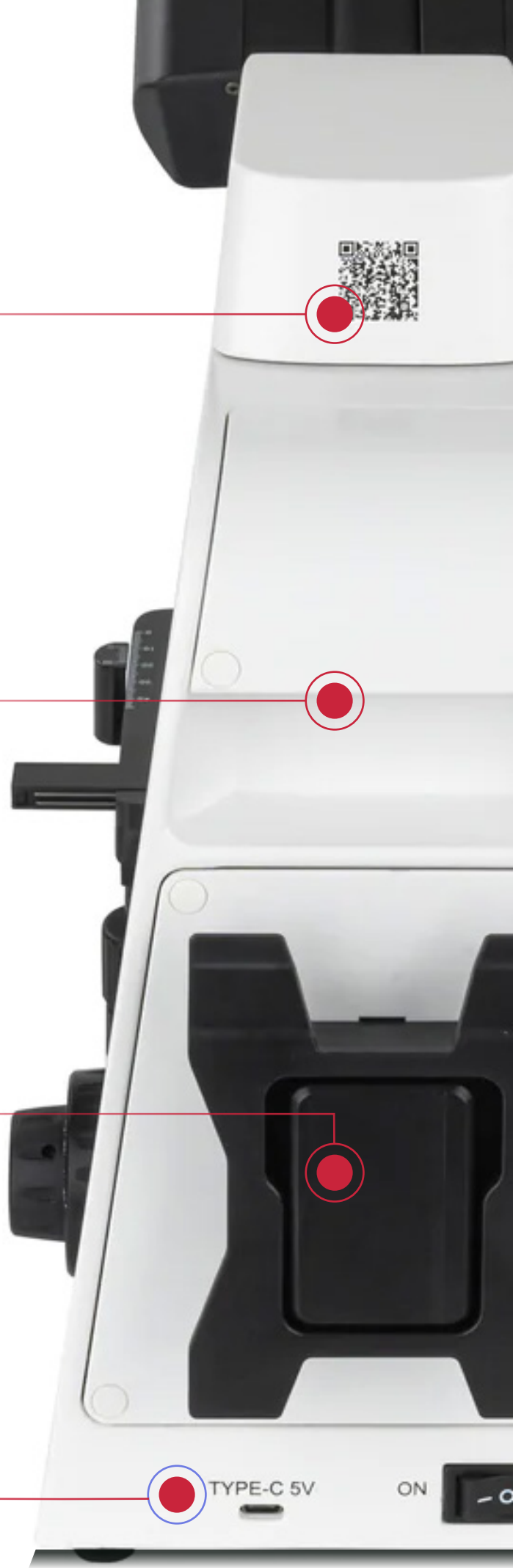
Getting user resources from QR code

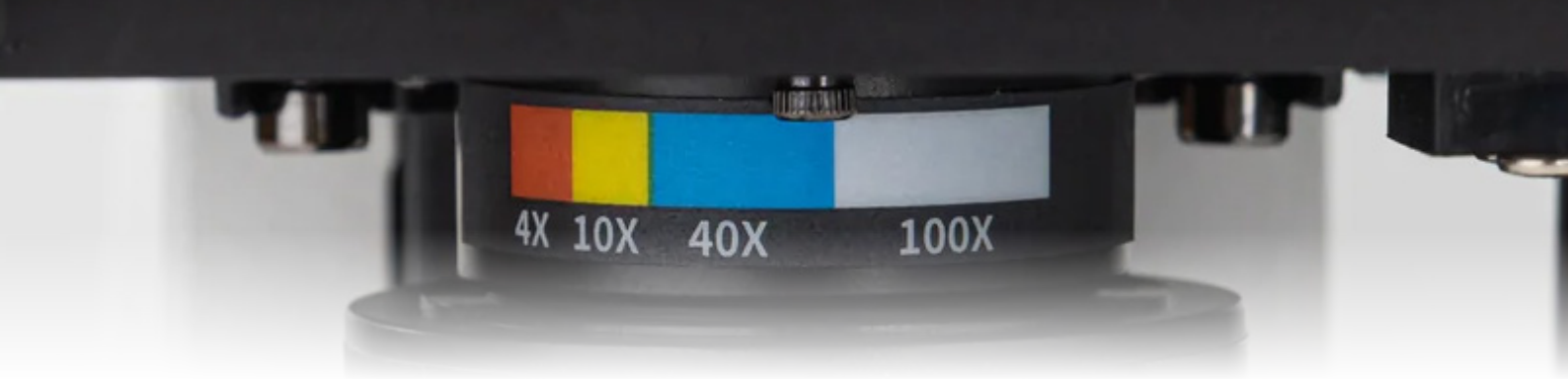
Hand carry handle

Smart storage design

USB withType C input

Can be powered up by power bank





QUICK-START GUIDE SYSTEM

The built-in “quick start guide” system assists the user to find the focus point easily and to adjust the right aperture diaphragm for perfect specimen illumination. With the focus guidelines, users especially beginners would focus quickly by simply aligning the focus lines. A great image can easily be acquired, even for a new user for microscopes.

Aperture Diaphragm Indicator

- The aperture diaphragm is coded in color ranges to quickly locate aperture diaphragm of by matching objective color ring.
- Turn the aperture diaphragm to the corresponding range of the objective color ring. For example, red range for 4x.
- Adjust the aperture diaphragm slightly to get the sharpest image according to specimens.

Focusing Indication Line

- The focus guidelines are in the stage holder and microscope body to assist in quick image plane location
- The built-in quick-start guide system can help to quickly get the image.

360 DEGREE ROTATABLE HEAD

Stella 1 series is the compound light microscopes used in labs have 360 degree rotating heads, which allow the users to move the head for comfort or to share the microscope with a peer or student. Apart from that, it provides the flexibility of the user or lab technician storing the Stella into the microscope cabinet without any difficulty.

Turn the eyepiece tube backward to save the satorage room

Use the carrying handle to pick up the micro-scope and put it in a suitable position

DIGITAL MICROSCOPY SOLUTIONS

The combination of a Swift microscope with a member of the Swift Sirus Series enables to display and to share excellent live images for presentations and discussion Discover the possibilities and benefits of connecting a Swiftcam camera onto your microscope.

[All In One]

MOTICAM A

At Motic we strive to ensure that everything you may need to start your Digital Microscopy journey is included, without adding unnecessary items.

Supported by our own In-House team of Software and Mechanical Engineers, each Moticam has the necessary equipment to help you turn your images into knowledge.

Moticam camera

USB 2.0 cable

Eyepiece tube adapter

0.5x Reduction Lens

Software CD

Calibration slide

SPECIFICATION

STELLAR 1

	STELLAR 1-B	STELLAR 1-T
Specialized features (Darkfield, brightfield, fluorescence; include all)	Brightfield	Brightfield
Optical system	Finite optical system, mechanical length160mm, conjugate distance 195	
Observation tube	Siedentopf Binocular	Siedentopf Trinocular, light splitter trino/bino 50:50
Head	Revolving	
Inclination	30° inclined (360° head rotation)	
Interpupillary distance	48-75mm	
Diopter adjustment	On left tube, +/-5dp	
Eyepieces	WF10X/18mm, WF25X/8mm (No Pointer)	
Nosepiece	Quadruple inward-facing revolving nosepiece	
Objectives	EA ASC 4X/0.10 (WD 19mm)	
	EA ASC 10X/0.25 (WD 6.6mm)	
	EA ASC 40X/0.65/S (WD 0.45mm)	
	EA ASC 100X/1.25(WD 0.13mm)	
Magnifications	40X, 100X, 400X, 250X, 1000X, 2500X	
Objective mounting thread	W 4/5" x 1/36" (RMS standard)	
Stage	Double layer coaxial mechanical stage with slide holder	
Stage size	125mmx115mm	
Mechanical stage X&Y range	70x25mm	
Upper limit stop	Preset but adjustable	
Condenser	N.A 1.25 Abbe condenser with iris diaphragm	
Focus mechanism	Coaxial coarse and fine, fine is graduated	
Fine focus precision	3.4μm minimum increment, 0.34mm round	3.4μm minimum increment
Z-axis movement	14 mm	
Filter	Bult-in frosted glass, blue filter	
Illumination	1W LED with intensity control, 30 mins auto power off	
Transformer	External power adapter	
Power supply	110-240V switching (plug type should be chosen according to different regions)	
Dimensions base (L*W*H)	338(L)*171(W)*338(H) mm	
Weight	4.2KG	4.25KG
Optional accessories	Reflection mirror, SPA Smartphone adapter, EP Series eyepiece cameras, Swiftcam C-Mount Camera (No additional adapters required)	

SPECIFICATION

STELLAR 1 PRO - B

STELLAR 1 PRO - T

STELLAR 1 PRO

Brightfield	Brightfield	**Specialized features (Darkfield, brightfield, fluorescence; include all)**
Infinity optical system		**Optical system**
Siedentopf Binocular	Siedentopf Trinocular, light splitter trino/bino 50:50	**Observation tube**
Revolving		**Head**
30° inclined (360° head rotation)		**Inclination**
48-75mm		**Interpupillary distance**
On left tube, +/-5dp		**Diopter adjustment**
WF10X/18mm, WF25X/8mm (No Pointer)		**Eyepieces**
Quadruple inward-facing revolving nosepiece		**Nosepiece**
Plan Infinity 4X/0.10 (WD 15.5mm)		**Objectives**
Plan Infinity 10X/0.25 (WD 7mm)		
Plan Infinity 40X/0.65/S (WD 0.71mm)		
Plan Infinity 100X/1.25(WD 0.14mm)		
40X, 100X, 400X, 250X, 1000X, 2500X		**Magnifications**
W 4/5" x 1/36" (RMS standard)		**Objective mounting thread**
Double layer coaxial mechanical stage with slide holder		**Stage**
125mmx115mm		**Stage size**
70x25mm		**Mechanical stage X&Y range**
Preset but adjustable		**Upper limit stop**
N.A 1.25 Abbe condenser with iris diaphragm		**Condenser**
Coaxial coarse and fine, fine is graduated		**Focus mechanism**
3.4μm minimum increment		**Fine focus precision**
14 mm		**Z-axis movement**
Bult-in frosted glass, blue filter		**Filter**
1W LED with intensity control, 30 mins auto power off		**Illumination**
External power adapter		**Transformer**
110-240V switching (plug type should be chosen according to different regions)		**Power supply**
338(L)*171(W)*338(H) mm		**Dimensions base (L*W*H)**
4.3KG	4.35KG	**Weight**
Reflection mirror, SPA Smartphone adapter, EP Series eyepiece cameras, Swiftcam C-Mount Camera (No additional adapters required)		**Optional accessories**

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Design Change: The manufacturer reserves th e right to make changes in instrument design in accordance withscientific and mechanical progress, without notice and without obligation.

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Official Distributor: