Motic®

MORE THAN MICROSCOPY


# STELLAR

EXPERIENCE MICROSCOPY

THE STELLAR WAY

# STELLAR


Developed for students of all ages and with small labs in mind

Smooth and clutter-free design to minimise distractions

Easy to set up and use, with a quick start guide for beginners

Freely rotatable head to allow multiple users share a single microscope

Low-power and equipped with energy-efficient features

Compact, space-saving setup and highly portable

# A STELLAR VIEW
## OF THE TINY WORLD

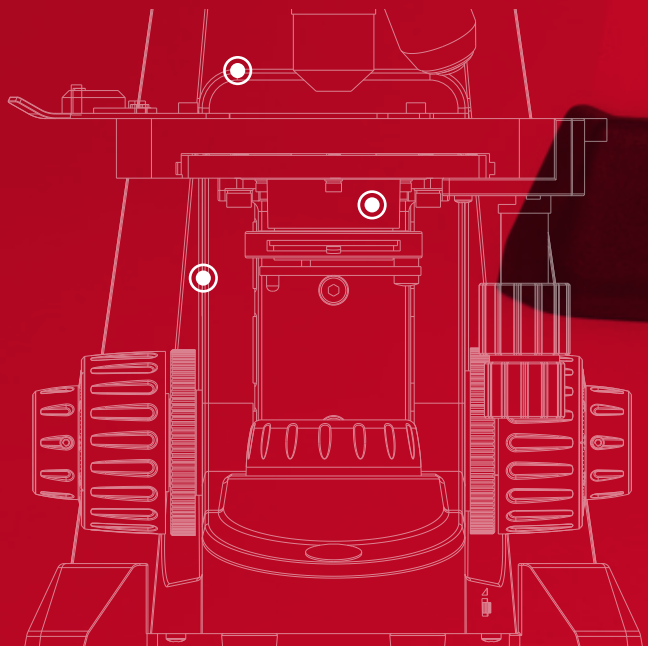
# STELLAR EXPERIENCE

## DOUBLE SLIDE STORAGE

This unique slide storage system helps maintain a tidy workplace and ensures your selected samples are always to hand.

To best introduce newcomers to the captivating world of microscopy, the STELLAR series of microscopes puts the user first. STELLAR microscopes are easy to set up and use, making them perfect for teaching environments and small lab' settings.

The intuitive interface minimises prep work while the ergonomic design reduces distractions. Clutter is further reduced by the unique double slide storage. As part of the built-in quick start guide system, focus guidelines allow users to locate the optimal focus simply by aligning the cues, while the aperture diaphragm indicator is colour-matched to the objectives, ensuring an effortlessly sharp image.



## FOCUS GUIDELINES

Focus guidelines on the stage holder and microscope body help users to quickly locate the image plane. Subsequent fine focus adjustments enable precise focusing for optimal clarity.

## APERTURE DIAPHRAGM INDICATOR

The colour coding, matched to the colour ring on the objective, indicates the correct aperture diaphragm. A slight adjustment is all that's needed to sharpen the image.



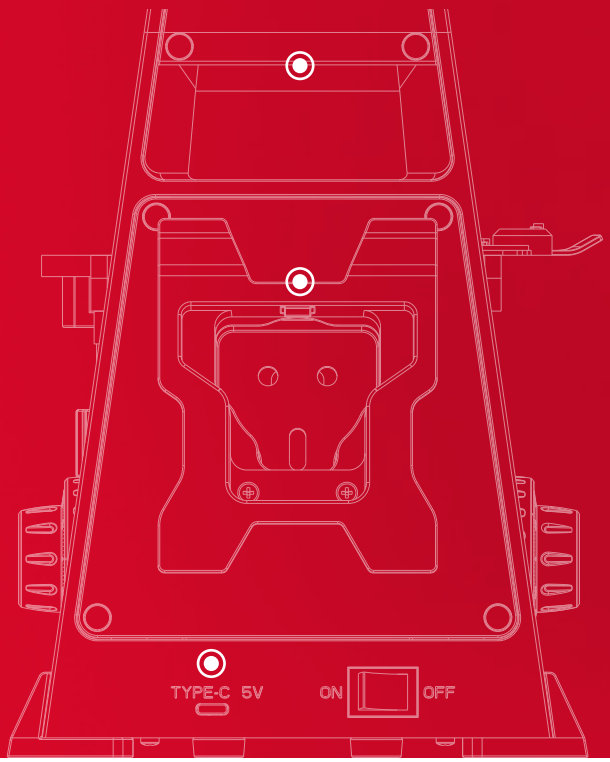

# STELLAR DESIGN

## INTEGRATED STORAGE & CARRYING HANDLE

The power cord and plug are designed to be smoothly hidden away in the microscope body, keeping the space tidy. With the integrated carrying handle, the microscope can be safely and easily transported anywhere you please.

With sleek, modern styling, STELLAR microscopes make the most of their compact frame. For an even smaller profile, the 360° rotatable head can be turned backwards, allowing storage in shallow cabinets.

Footprint is also minimised through an integrated holder for the power cord and adapter. And, thanks to the energy-efficient design, the USB-C port enables the microscope to be powered using a simple external power bank. Combined with the built-in carrying handle and low weight, STELLAR microscopes can go wherever you wish, even outdoors.




## 360º ROTATABLE HEAD

The freely rotatable head allows multiple users to easily share a single microscope and also enables the head to be rotated out of the way for storage.

## USB TYPE-C

The USB Type C port enables the microscope to be connected to a standard USB-C power adaptor and even an external power bank.



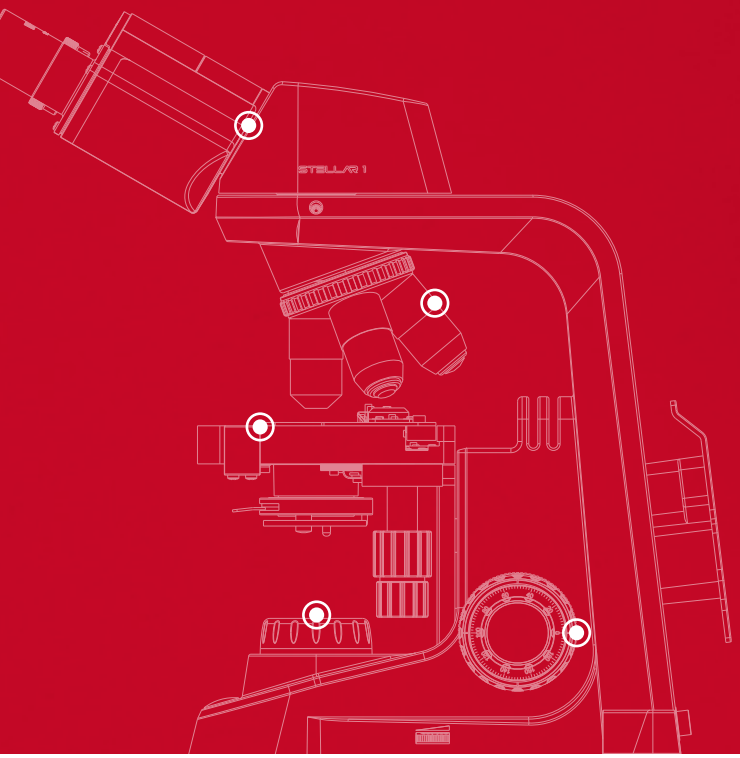
# STELLAR PERFORMANCE

## ERGONOMY

Ergonomic focusing knobs and a low stage control allow hands to rest on the tabletop, reducing fatigue and muscle strain.

The STELLAR series of microscopes is built to endure and withstand the demands of daily work. The robust construction of the microscopes and the high-quality, wear and tear-resistant materials, as well as the stable and fixed eyepieces, make them an optimal choice for teaching environments, hobbyists and small labs.

Based on the belief that comfort improves concentration, the focusing knobs and stage control are strategically positioned low on the microscope body. This allows the hands to rest on the desk, minimising fatigue and ensuring users are focused on their tasks.



## ECO-FRIENDLY ILLUMINATION

A low-power LED light source and 30 minutes auto-power off make STELLAR microscopes eco-friendly.

## ROBUST CONSTRUCTION

Robust, resistant materials and smooth mechanisms will stand up to the rigours of school environments.

# STELLAR IMAGING

## WI-FI CAMERAS

Take your microscope to the next level with the Moticam X5 Plus camera. With built-in Wi-Fi capabilities, images can be simultaneously and wirelessly shared with up to 6 devices – all you need is a smartphone or tablet!

In educational settings, the synergy between digitisation and microscopy maximises learning. With the simple attachment of a Moticam camera and by using the supplied software, microscope slides can be viewed in real-time on any connected device, even a tablet or smartphone, or sent to a TV screen or projector. Crucially, images can be saved, edited, annotated and measured as desired.

Digitisation removes the need for printed copies, reducing waste and saving resources, and promotes teamwork, creating a dynamic and interactive working environment. Lastly, the seamless sharing of discoveries simplifies collaboration and improves workflow.

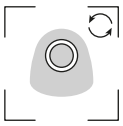
## USB STARTER LINE

Moticam A USB cameras are affordable, accessible and adaptable. Combined with their low profile and streamlined structure and supplied with all required accessories and ‘plug and play’ technology, these cameras connect effortlessly to your computer, boosting the functionality of your microscope.

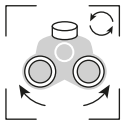
## DIGITISATION AT ITS BEST

Included as standard with the trinocular model of the STELLAR series, the C-mount adaptor is all you need to connect your microscope to the outside world.

# STELLAR SPECIFICATIONS

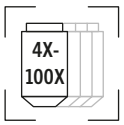


MONOCULAR HEAD
360º ROTATING

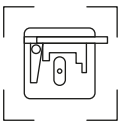


BINOCULAR &
TRINOCULAR HEAD
SIEDENTOPF
360º ROTATING

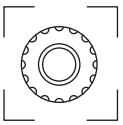
| Name | Stellar 1-M | Stellar 1-B | Stellar 1-T |
|---|---|---|---|
| Optical system | Finite optical system, 160mm | | |
| Observation tube | Monocular head, 30º inclined, 360º rotating | Binocular head, Siedentopf type 30º inclined, 360º rotating | Trinocular head, Siedentopf type 30º inclined, 360º rotating |
| Trinocular light split | - | - | Fixed 50:50 |
| Interpupillary distance | - | 48-75mm | |
| Diopter adjustment | - | On left tube, +/- 5 diopter | |
| Eyepieces | Widefield WF10X/18mm | | |
| Nosepiece | Quadruple | | |
| Objectives | EA Achromatic, 4X/0.10, 10X/0.25 , 40X/0.65/S , 100X/1.25/S-Oil | | |
| Stand type | Upright | | |
| Stage | Mechanical stage with built-in low position coaxial stage control and sample holder | | |
| Stage size | 125x115mm | | |
| Travel range X&Y | 70x25mm | | |
| Condenser | Abbe Condenser N.A. 1.25 / Color coded iris diaphragm | | |
| Focus mechanism | Coaxial coarse and fine focusing system with tension adjustment | | |
| Fine focus precision | 3.4µm | | |
| Transmitted illumination | LED 1W with intensity control / Sleep mode (30 min. auto on-off) | | |
| Other features | Double slide storage, smart cable and transformer storage, USB Type-C power input (also for battery pack) | | |
| Accessories included | Dust cover, immersion oil (5ml) | | Dust cover, immersion oil (5ml), 0.5X c-mount adapter |
| Dimensions LxWxH | 338x171x338mm | | |
| Net weight | 4.1kg | 4.2kg | 4.3kg |



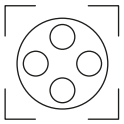

4X, 10X, 40X & 100X
OBJECTIVES



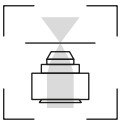
MECHANICAL
STAGE



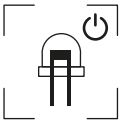
COAXIAL FOCUSING
COARSE & FINE



QUADRUPLE
NOSEPIECE



ABBE CONDENSER
N.A. 1.25



LED ILLUMINATION
SLEEP MODE

DOUBLE SLIDE STORAGE

FOCUS GUIDELINES

INTEGRATED STORAGE
& CARRYING HANDLE

360° ROTATABLE HEAD

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EXPERIENCE


APERTURE DIAPHRAGM INDICATOR

DIGITISATION AT ITS BEST

USB TYPE-C

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