





THE CLASSIC MICROSCOPE SOLUTION

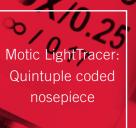
# PANTHERA C SERIES

Panthera CC is a classic microscope solution that meets the increasing demand for high contrast image results from histology, hematology, and anatomy. With Panthera CC, Motic's CCIS<sup>®</sup> Infinity concept introduces Ultra Contrast (UC) optics, a new Plan Achromatic performance level combining a complete series of UC objectives with UC eyepieces of 22mm Field of View. Optimal color fidelity and contrast: the perfect conditions for reliable clinical

diagnoses. The Panthera CC stand features a reversed and encoded 5-fold nosepiece and a patented rackless stage with a unique dual-slide holder. Illumination is provided by a 30W Halogen light source in a Full Koehler setup, and is interchangeable with 3W LEDs of different color temperatures. The Motic LightTracer with memory function, built-in Low-Energy mode and an LED feedback indicator helps to optimize your workflow.



New Plan UC Achromat objectives



New Rackless & Compact mechanical stage Halogen / LED and LED color temperature interchangeability







#### MAXIMUM FLEXIBILTY IN LIGHT SOURCES

The Panthera CC offers flexibility in using different light sources. By simply pulling a drawer, the 30W Halogen bulb can be exchanged with 3W LEDs of different color temperature. Following the standard in advanced light microscopy, a Full-Koehler setup for transmitted light is implemented in Panthera CC. The Motic LightTracer system, based on the encoded nosepiece, replicates the illumination intensity once the respective objective is swumng in again.

#### NEW UC OPTICS FOR ULTRA CONTRAST IMAGES

The entire series of new Plan UC Achromatic objectives, from 2X to 100X magnification, show significantly improved image contrast. The new 100X/0.8 "Dry objective" is especially favorable in environments where the time-consuming immersion procedure may be considered too complicated. The new UC eyepieces with 22mm FOV (Field of View) pair perfectly with this new objective generation, as they complement the improved field flatness of all Plan UC objectives.



#### CLASSIC FUNCTIONALITY WITH UNPARALLELED IMAGE QUALITY

Motic's Panthera CC mechanics integrate a comprehensive suite of features with a sleek, modern design. The patented compact rackless stage has an anti-scratch coating and a new dual-slide holder that allows one-handed operation. The Panthera CC standard eyepiece tubes feature a 25° viewing angle for maximum comfort. The interpupillary distance of 48-75mm guarantees a personalized experience for all users, while the "butterfly" movement may increase the viewing height by 60mm to accommodate different physiques.



## SEAMLESS INTEGRATION WITH YOUR WORKFLOW

For maximum use of accessories, the Panthera CC is deeply integrated into Motic's Upright microscope system. It can be upgraded with Motic's universal turret condenser with all Phase rings and a Darkfield stop, or with Polarizer/Analyzer for birefringent samples. The FLED Fluorescence modules allow the fluorescence method to be incorporated into the daily workflow without the environmental risks associated with mercury bulb usage.

Our CAR range offers the choice between several imaging options. Besides the standard USB cameras, we offer solutions like the Moticam Full HD cameras, tablet solutions, and Wi-Fi cameras working with our free "MotiConnect" App. Know more at www.moticamseries.com

### SPECIFICATIONS

PANTHERA C SERIES



| Model                                 | PANTHERA CC  |
|---------------------------------------|--|
| Optical system                        | Colour Corrected Infinity Optical System (CCIS®)   |
| Observation system                    | Binocular/Trinocular Siedentopf type 25° inclined, 360° swiveling  |
| Interpupillary distance (mm)          | 48-75mm  |
| Trinocular light split                | 50/50 fixed  |
| Eyepieces                             | UC-WF10X/22  |
| Eyepieces diopter adjustment          | +/- 4 dpt  |
| Nosepiece                             | Reversed quintuple, encoded  |
| Objectives Plan UC Achromat (Pb free) | 4X/0.1 (WD 30.5mm), 10X/0.25 (WD 17.4mm), 40X/0.65/S (WD 0.6mm), 100X/1.25/S-Oil (WD 0.16mm)               |
| Objective mounting thread             | W 4/5" x 1/36" (RMS standard)  |
| Stage                                 | Compact and rackless stage   |
| Stage size (mm)                       | 185x145  |
| Travel range (mm)                     | 75x50  |
| Upper limit stop                      | Preset; adjustable   |
| Condenser                             | N.A. 0.90 / 1.25 Abbe condenser with slider slot   |
| Focus mechanism                       | Coaxial; tension adjustment  |
| Minimum fine focus precision (µm)     | 2  |
| Z-axis movement (mm)                  | 25   |
| Filter holder                         | On top of the illuminator with fixing cap  |
| Illumination type                     | 3W LED module / 30W Halogen module, Koehler illumination   |
| Illumination interchangeability       | Halogen/LED and LED color temperature interchangeability   |
| Illumination features                 | Motic LightTracer: Light memory sleep mode (Auto on-off), nosepiece LED light intensity and mode indicator |
| Connectivity                          | USB for external power   |
| Power supply                          | 110-240V (CE)  |
| Dimensions (mm)                       | 282x210x394 (Binocular), 282x210x396 (Trinocular)  |
| Contrast techniques                   |  |
| Brightfield                           | Yes  |
| Phase contrast                        | Slider & Turret  |
| Simple Polarization                   | Yes  |
| Simple Darkfield                      | Slider & Turret  |
|                                       |  |

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LED Fluorescence

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Yes - Intermediate module

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