

**Motic**<sup>®</sup>

MORE THAN MICROSCOPY

**C**  
SERIES



**PANTHERA C**  
SERIES

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® 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

Motic LightTracer:  
Quintuple coded  
nosepiece

New Rackless  
& Compact  
mechanical stage

Halogen / LED  
and LED color  
temperature  
interchangeability

Full-Koehler  
illumination



#### 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.



#### 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.



#### 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.

#### MAXIMUM FLEXIBILITY 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 swung in again.



Our **MOTICAM** 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](http://www.moticamseries.com)

## SPECIFICATIONS

### PANTHERA C SERIES



#### PANTHERA CC

<b>Model</b>	<b>PANTHERA CC</b>
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)
<b>Contrast techniques</b>	
Brightfield	Yes
Phase contrast	Slider & Turret
Simple Polarization	Yes
Simple Darkfield	Slider & Turret
LED Fluorescence	Yes - Intermediate module

[www.moticeurope.com](http://www.moticeurope.com)

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