

Motic[®]

MORE THAN MICROSCOPY

PANTHERA
SERIES

SHIFT YOUR LAB



FRIENDLY

The Panthera Series has been carefully designed keeping in mind Form & Functionality. The components chosen for the Panthera Series have been analysed down to the last detail to find the perfect design in terms of practicality and aesthetics. An example of that is the patented rackless stage, compact and with a never-seen-before sample holder that will surprise you.

User-friendly Design

Carrier handle

Power cord storage

Integrated USB port for camera power

Compact rackless stage & sample holder

PERFECTIONIST

Optics and accessories for the Panthera Series have been especially designed to get maximum performance from all of its components and getting the most out of its possibilities, offering options to fit all kind of needs. The new Plan UC objectives stand out for its ultra-high contrast and very flat Field of View, which together with the UC Widefield Eyepieces brings you bright, detailed and sharp images for new insights.

Plan UC
20X/0.45
∞ / 0.17

New Plan UC objectives

Plan UC Widefield eyepieces 10X/22

Automatic LED condenser

Abbe Condenser



Smart LED nosepiece indicator

Motic LightTracer
Coded nosepiece
Digital light intensity knob
LED illumination
HAL/LED easy interchangeability

BRILLIANT

Panthera's light management system stands out for its automation. The digital intensity knob teams up with the coded LED nosepiece and the illuminator to offer you information about the light intensity, or the microscope's mode, as well as memorizing the light intensity of each objective. The combination of the LED nosepiece and LED condenser, automates the workflow even more, as it also automatically loads a specific N.A. depending on the objective in the lightpath. Interchangeability between Halogen/LED illumination or different 3WLED colour temperatures is very easy thanks to a drawer at the base of the stand.

Plan UC
20X/0.45

PI
A

Smart Microscope



ImagingOnDevice
HDMI
Wi-Fi
Ethernet
USB
Panthera App
QRlink
DigiClass

SMART

If there's a word to define the Panthera Series, it is Smart. It has been created to make your workflow easier, with the intent of it not being just another work tool, but a fellow worker to trust in. The Smart CAM digital head and its ImagingOnDevice System allows you to instantly capture what you are viewing with the tip of your finger. Work in FullHD through the HDMI port directly on a screen with the help of a mouse, or work with your Tablet and the Panthera App. Thanks to the QRlink system, you can send your live image to your tablet or smartphone by simply scanning the QR-code on the top of the Tubehead cover. You can also make a digital class by connecting the student's microscopes to the teacher's through the ethernet port. The possibilities are endless!



VERSATILE

From configurations especially thought for the educational field, up to the most advanced models for clinics and laboratories, there's a Panthera model suitable for every user. When it comes to industrial and material sciences applications, the Panthera TEC Series with Metallurgical and Polarization stand configurations, together with a wide range of intermediate modules and specific optics, becomes the perfect ally for inspection and analysis.

Panthera TEC MAT
Smart Darkfield

- Panthera School
- Panthera University
- Panthera Classic
- Panthera Life Sciences
- Panthera HD
- Panthera TEC POL

PANTHERA

THE PERFECT LABMATE

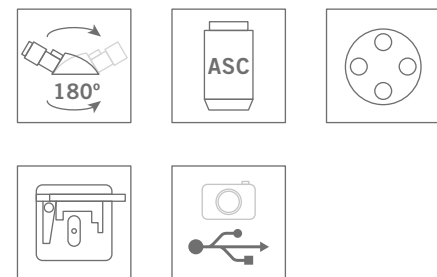
Panthera, the new Motic's upright microscope line revolutionizes the conventional microscope concept by creating a Smart Microscope. Its design, together with its new optics and digital capabilities, makes it the microscope of tomorrow.

MODELS OVERVIEW	FANTHERA S SCHOOL	FANTHERA U UNIVERSITY	FANTHERA C CLASSIC	FANTHERA L LIFE SCIENCES	FANTHERA HD HIGH DEFINITION	FANTHERA TEC MAT	FANTHERA TEC POL	MODELS OVERVIEW
Eyepieces	N-WF10X/20	UC-WF10X/22	UC-WF10X/22	UC-WF10X/22	-	UC-WF10X/22	UC-WF10X/22	Eyepieces
Head	Bino / trino / 180°	Bino / trino	Bino / trino	Digital Smart CAM	Digital Smart CAM	Bino / trino / Digital Smart CAM	Bino / trino	Head
Objectives	Plan Achromat 4X up to 40X	Plan UC Achromat 4X up to 100X	Plan UC Achromat 4X up to 100X	Plan UC Achromat 4X up to 100X	Plan UC Achromat 4X up to 100X	LM Plan / LM Plan BD Achromat 5X up to 100X	Plan UC Achromat (Strain-free) 4X up to 60X	Objectives
Nosepiece	quadruple	quintuple / coded	quintuple	quintuple / coded	quintuple / coded	quintuple / coded	quintuple / coded	Nosepiece
Stage	mechanical stage	rackless mechanical stage	rackless mechanical stage	rackless mechanical stage	rackless mechanical stage	3x2" / 6x4" mechanical stage	360° Rotatable stage	Stage
Condenser	N.A. 0.90 /1.25 Abbe	N.A. 0.90 /1.25 Abbe	N.A. 0.90 /1.25 Abbe	N.A. 0.90 /1.25 Abbe	N.A. 0.90 /1.25 Abbe	LED condenser	N.A. 0.90 Abbe (strain-free)	Condenser
Transmitted illumination	LED	3W LED	3W LED / 30W HAL interchangeable	3W LED / 30W HAL interchangeable	3W LED / 30W HAL interchangeable	-	3W LED / 30W HAL interchangeable	Transmitted illumination
Incident illumination	-	-	-	-	-	3W LED	3W LED (EpiPOL)	Incident illumination
Koehler	fixed	fixed	yes	yes	yes	-	yes	Koehler
USB for external camera	yes	yes	yes	no	no	optional	yes	USB for external camera
Smart CAM - ImagingOnDevice	no	no	no	yes	yes	optional	no	Smart CAM - ImagingOnDevice
USB for external Wi-Fi device	no	no	no	optional	optional	optional	no	USB for external Wi-Fi device
HDMI touch screen	no	no	no	optional	optional	optional	no	HDMI touch screen
Digital intensity knob	no	yes	no	yes	yes	yes	yes	Digital intensity knob
LED nosepiece light int. indicator	yes	yes	yes	yes	yes	yes	yes	LED nosepiece light int. indicator
Contrast techniques	BF, PH, DF	BF, PH, POL, DF, EpiLED FL, MMC	BF, PH, POL, DF, EpiLED FL (with LED mouse), MMC	BF, PH, POL, DF, EpiLED FL, MMC	BF, EpiLED FL	EpiBF: BF / DIC / Simple POL EpiBD: BF / Smart DF / Simple POL EpiHAL BD: BF / DF / Simple POL (HAL 50W) EpiLED BD: BF / DF / Simple POL (LED)	Epi-BP: POL EpiPOL: BF / POL	Contrast techniques



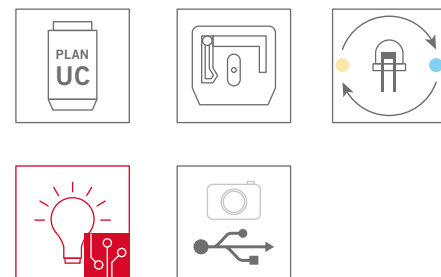
Panthera S is a school model, with a 180° rotatable head specially for space-saving storage. It has ASC optics and an extreme efficient low power illumination, allowing it to run on a Mobile BatteriePack for several hours.

The Panthera S is able to perform the following contrast methods: Phase contrast and Darkfield.



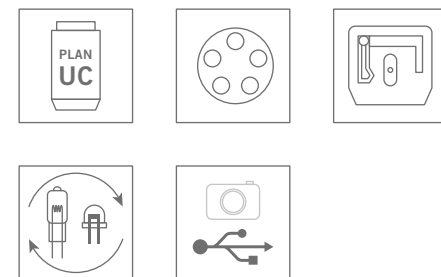
Panthera U is a University model, with "Motic LightTracer" digital illumination control and Premium Plan UC optics for University Teaching. It has a 3W LED illumination easily interchangeable with different color temperature LED bulbs, and a newly designed 2-slide compact rackless stage.

Thanks to a wide range of accessories, the Panthera U is able to perform the following contrast methods: Phase contrast, Darkfield, Modulation contrast, Polarization and EpiLED Fluorescence.



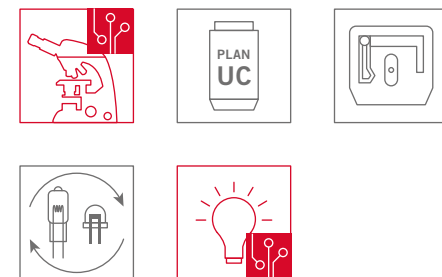
Panthera C is a model for the traditional Microscope user. It is a Classical all-rounder, providing both Halogen and LED Full Kohler illumination with manual light management. It has an integrated USB Camera Power Port and an LED light intensity illumination indicator in the nosepiece.

Panthera C is able to perform the following contrast methods: Phase contrast, Darkfield, Modulation contrast, Polarization and EpiLED Fluorescence.



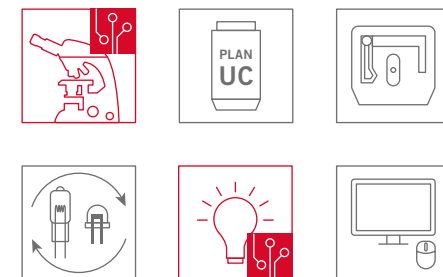
Panthera L is literally a Smart Microscope. It stands out for its unseen combination of build-in Digital Capabilities. Its Smart CAM digital head and the ImagingOnDevice System simplifies your daily work, allowing you to work directly from your microscope to an HDMI screen with the help of a mouse, or work with your tablet and the Panthera App. The LAN port offers you the option of running a DigiClass, or remote image sharing.

Panthera L can perform the following contrast methods: Phase contrast, Darkfield, Modulation contrast, Polarization and EpiLED Fluorescence.



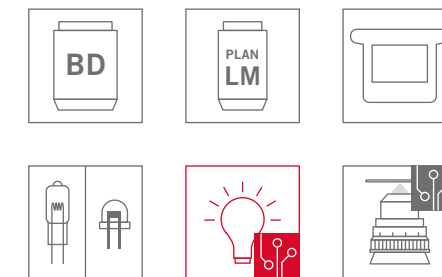
Panthera HD has the same Digital capabilities as the Panthera L, but it is meant to be used exclusively through digital means, as it does not have eyepiece tubes.

Panthera HD can perform EpiLED Fluorescence.



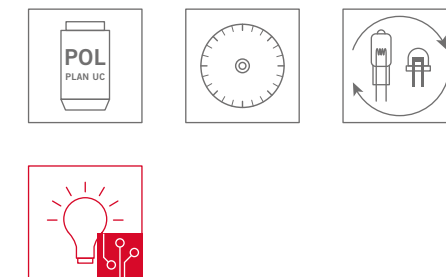
PantheraTEC MAT is a new generation of advanced EpiScopic metallurgical microscopes for inspection and analysis. It is composed of 4 models, you can choose between contrast methods like DIC, Darkfield, or the new Segmentable Darkfield, as well as Halogen or LED light sources. It is good to remark the superb imaging performance provided by Motic LM Plan BD objectives.

All of them have an LED condenser, "Motic LightTracer" digital illumination control, and can be upgraded with the Smart CAM and ImagingOnDevice system.



PantheraTEC POL is a new generation of EpiScopic Polarization Microscopes combined with a Bertrand lens system. The 2 models feature Strain-free Optics and Top grade Filters. The Bertrand lens system is both focusable and centerable. The pre-centered rotating stage with 160mm diameter has got a hard coated and chemical resistant surface; where a high precision ball-bearing mechanism ensures smooth rotation.

Choose between a simple model with incident illumination, capable to perform Polarization, and a more advanced model that can perform also Brightfield, with incident and transmitted illumination.





SPECIAL FEATURES

ICONS GUIDE



Smart Microscope
ImagingOnDevice



Smart CAM
Digital head



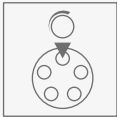
Outputs: USB for Wi-Fi
USB, HDMI, LAN



QRlink
Panthera App



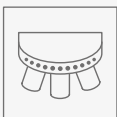
Smart Illumination
Motic LightTracer



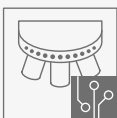
Coded nosepiece



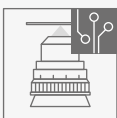
Digital light intensity knob



LED nosepiece indicator



Smart LED
nosepiece indicator



NEW Smart LED condenser

ImagingOnDevice / Smart CAM

It is an integrated System that makes the microscope completely independent. Consists of both software and hardware built-in the microscope itself. It includes HDMI, USB and LAN (ethernet) ports so that you can work without a computer, either with a screen or projector and a mouse, or with a tablet. The Ethernet port allows you to connect the microscope to a network for image sharing or running a DigiClass. The digital light intensity knob can be also used to capture an image.

QRlink / Panthera App

Download for free the Panthera App to your mobile device. For linking the microscope with your tablet, just snap the QR code in the back of the microscope and you will see the live image immediately.

ImageRecall

Stores image and microscope data to recall illumination settings of a previous image (Objective, brightness and camera settings).

Motic LightTracer

A combination of a coded nosepiece and a digital light intensity knob for a digital illumination control. It memorizes light intensity for each objective so that you don't have to adjust it again.

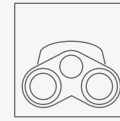
In the PantheraTEC, the light intensity knob is also used to switch from lower to upper illumination, besides for adjusting the light intensity.

LED nosepiece indicator

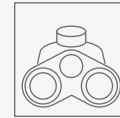
In the models featuring *Motic LightTracer*, it shows the light intensity and also the illumination mode. In the models without digital light management, it only shows the light intensity.

LED condenser

Integrated condenser and collector. In Auto setting mode, it will read the pre-set NA and required intensity automatically when the objective magnification is changed, no need to turn the N.A manually. In Manual setting mode, one can adjust the N.A. if needed.



Binocular head



Trinocular head



180° rotatable head
(Storage saving space)



ASC objectives



NEW Plan UC
objectives



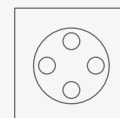
BD objectives
(PantheraTEC MAT)



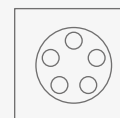
Plan LM objectives
(PantheraTEC MAT)



Plan UC objectives
(PantheraTEC POL)



Quadruple nosepiece



Quintuple nosepiece



Mechanical stage



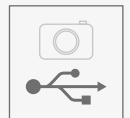
NEW Rackless & Compact
mechanical stage



360° Polarization Stage



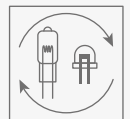
MET Stage 3x2" / 6x4"



Integrated USB
for camera power



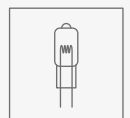
Without eyepiece tubes.
Works through digital devices



Halogen / LED
interchangeability



LED color temperature
interchangeability



Halogen illumination



LED illumination

Motic®

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Designed in Barcelona (Spain)

November 2016

Official Distributor:

