



Specification  
Sheet

**Motic®**  
MORE THAN MICROSCOPY

PANTHERA L Series

# PANTHERA DL





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### PANTHERA DL

<b>Optical system</b>	Colour Corrected Infinity Optical System (CCIS®)
<b>Observation tube</b>	Binocular head, Siedentopf type, 360° swiveling with built-in digital camera
<b>Sensor type</b>	CMOS
<b>Sensor size</b>	1/3"
<b>Imaging area</b>	5.44x3.07mm
<b>Capture resolution</b>	4MP (2560x1440 pixels)
<b>Live display mode through Wi-Fi</b>	1280x720, 1920x1080 pixels (Full HD)
<b>Live display mode through Ethernet</b>	1280x720, 1920x1080 pixels (Full HD)
<b>Scan mode</b>	Progressive
<b>Shutter mode</b>	Rolling shutter
<b>Data transfer</b>	Wi-Fi (2.4 & 5 GHz), Ethernet
<b>Inclination</b>	25° inclined, 360° swivelling
<b>Interpupillary distance</b>	48-75mm
<b>Diopter adjustment</b>	On both eyepieces, +/- 4 diopter
<b>Eyepieces</b>	Widefield UC-WF10X/22mm with diopter adjustment
<b>Nosepiece</b>	Reversed quintuple, coded
<b>Objective classification</b>	CCIS® UC Plan Achromatic (Pb free), DIN
<b>Objectives</b>	4X/0.10 (WD 30.5mm), 10X/0.25 (WD 17.4mm), 40X/0.65/S (WD 0.6mm), 100X/1.25/S-Oil (WD 0.16mm)
<b>Objective mounting thread</b>	W 4/5"x1/36" (RMS standard)
<b>Stand type</b>	Upright
<b>Stage</b>	Compact mechanical stage with built-in low position rackless coaxial stage control and sample holder
<b>Stage size</b>	185x145mm
<b>Travel range X&amp;Y</b>	75x50mm
<b>Condenser</b>	Focusable and centerable Abbe condenser N.A. 0.90/1.25 with slot for contrast sliders
<b>Diaphragm</b>	Iris diaphragm
<b>Focus mechanism</b>	Coaxial coarse and fine focusing system with tension adjustment
<b>Fine focus precision</b>	2µm
<b>Focusing stroke</b>	25mm
<b>Upper limit stop</b>	Upper limit stop preset but adjustable
<b>Filter holder</b>	On top of the illuminator with fixing cap
<b>Transmitted illumination</b>	Köhler LED 3W & Quartz halogen 6V/30W with intensity control
<b>Illumination interchangeability</b>	Halogen/LED and LED color temperature interchangeability
<b>Illumination features</b>	Motic LightTracer: Light memory, sleep mode (auto on-off), nosepiece LED light intensity and mode indicator
<b>Max. frames per second (fps)</b>	1920x1080 @ 30 fps, 1280x720 @ 30 fps (depending on Wi-Fi strength) (*)



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<b>Exposure time</b>	0.03 msec to 0.03 sec
<b>Sensitivity</b>	1.9V/Lux-sec (550nm)
<b>Software</b>	Panthera App for iOS and Android
<b>Transformer</b>	Internal
<b>Power supply</b>	110-240V (CE)
<b>Accessories included</b>	Dust cover, power cord, Allen key, immersion oil (5ml), blue filter, halogen bulb, LED module, calibration slide
<b>Net weight</b>	8.8kg