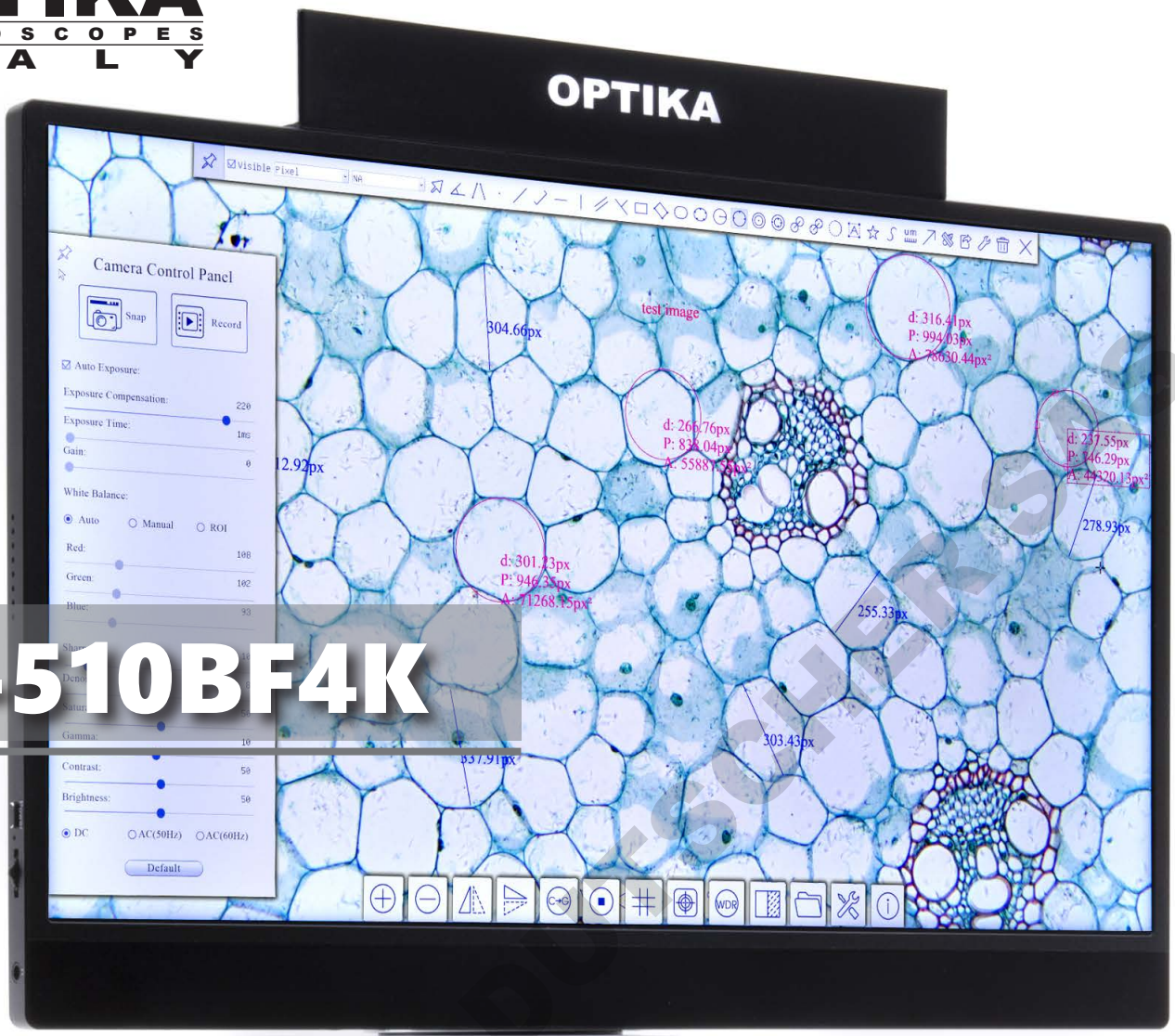
OPTIKA®
MICROSCOPES
ITALY

B-510BF4K





OPTIKA B-510BF4K fits into the OPTIKA microscope range as an innovative instrument with stunning features. It is dedicated to the fields of pathological anatomy, medical universities, haematology, cytology and veterinary medicine, and in any case to all those applications in which intensive and prolonged use may lead to operator fatigue. The camera performances and the high resolution of the screen make it possible to observe samples with a fidelity that was unimaginable until recently. In addition, it is an outstanding and cost-effective alternative to multi-head discussion microscopes.

B-510BF4K



Carrying handle



Exclusive, state-of-the-art 4K Digital Head

4K

Ultra HD standard 3480x2160 pixel resolution

Obtain ultra high resolution images that outperform those obtained through the use of optical heads.



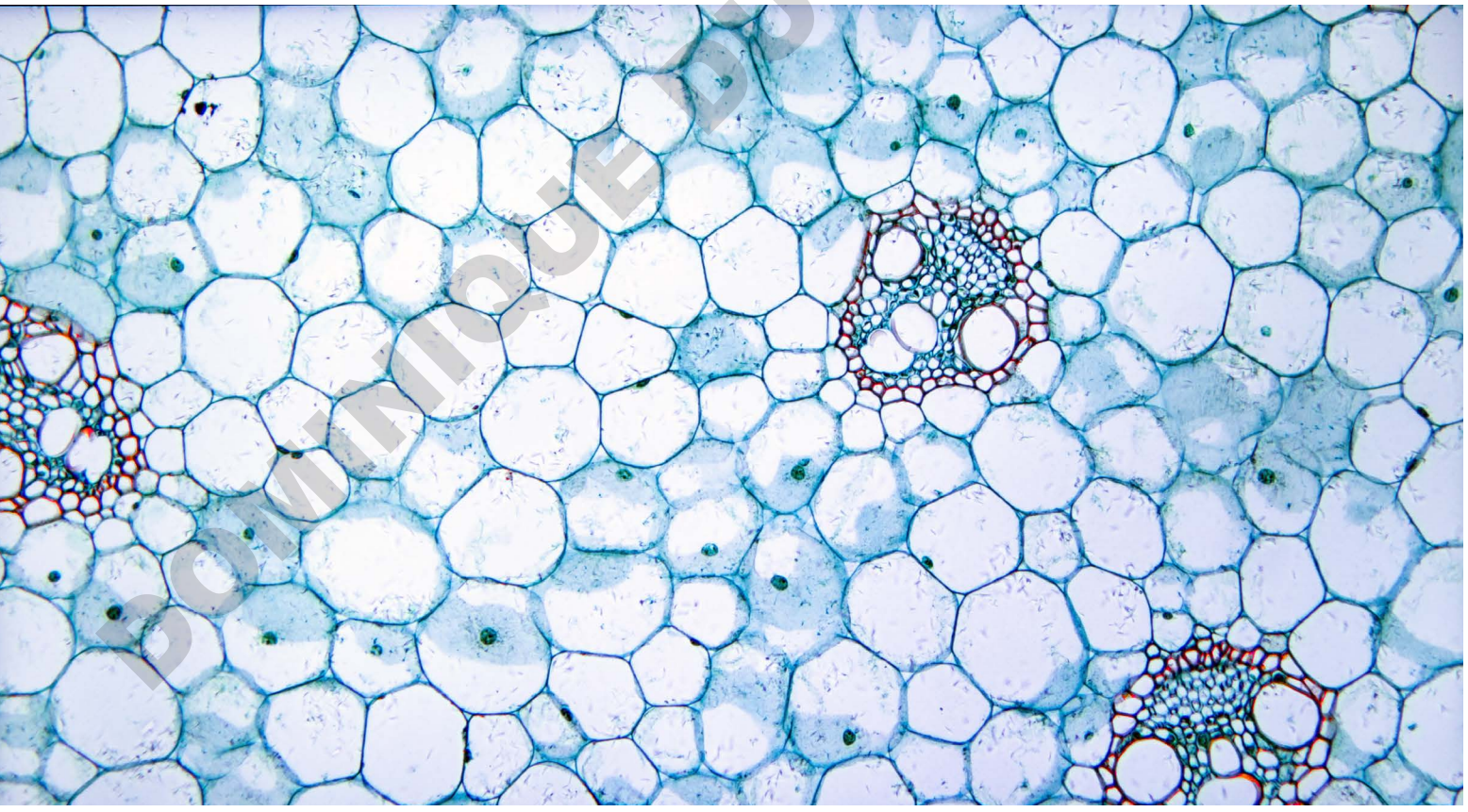
DOMINIQUE UTILE FIBRES





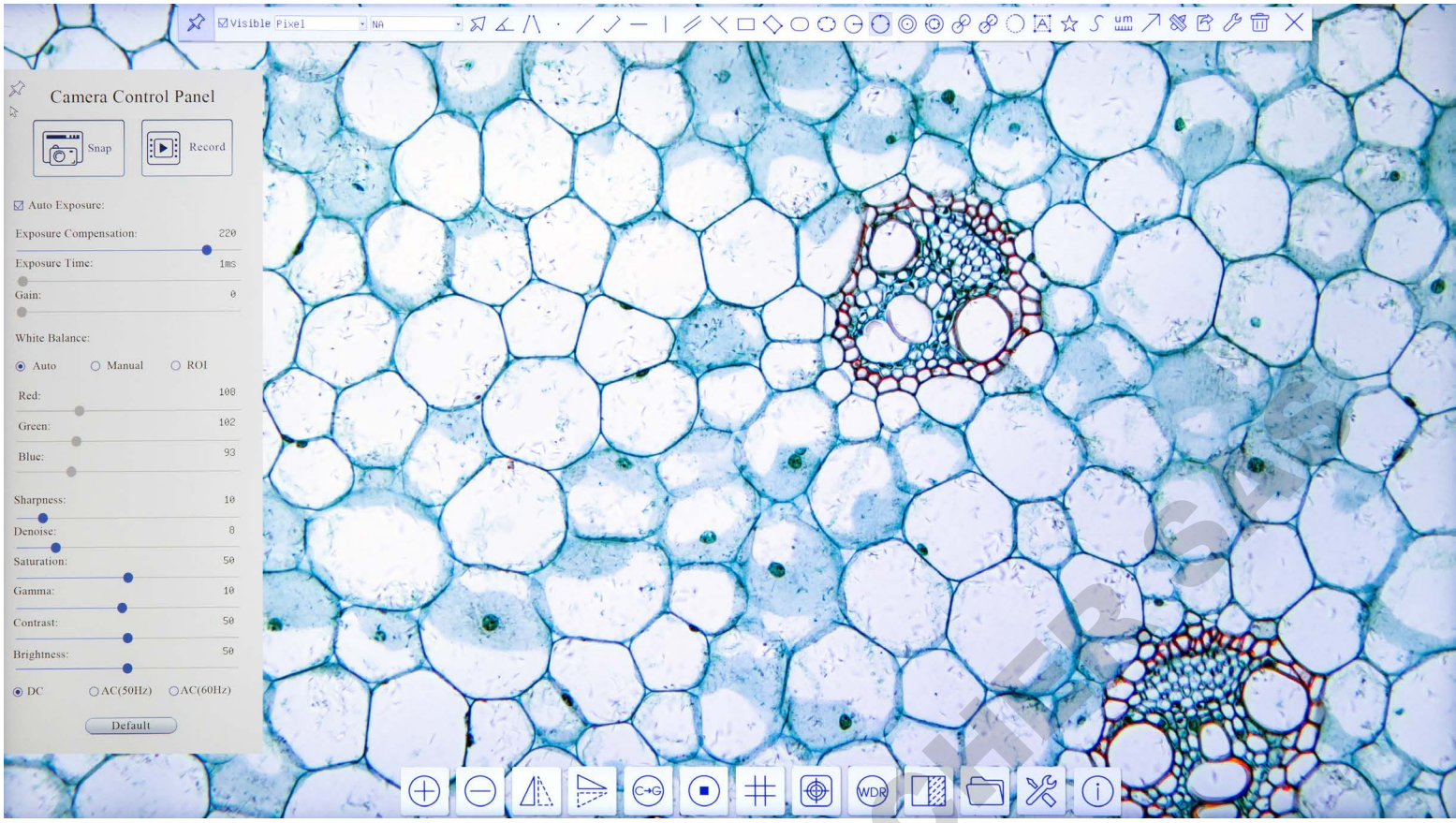
IOS W-PLAN Objectives
Infinity Corrected Optics (IOS) providing the best cost-effective choice for high contrast and resolution, matching all the requirements of labs requiring good quality routine objectives. Designed to ensure field flatness up to F.N. 22.

Perform a proper setting of the Köhler illumination, through the field diaphragm to have the specimen perfectly illuminated, contrast enhancement and resolution of your image.

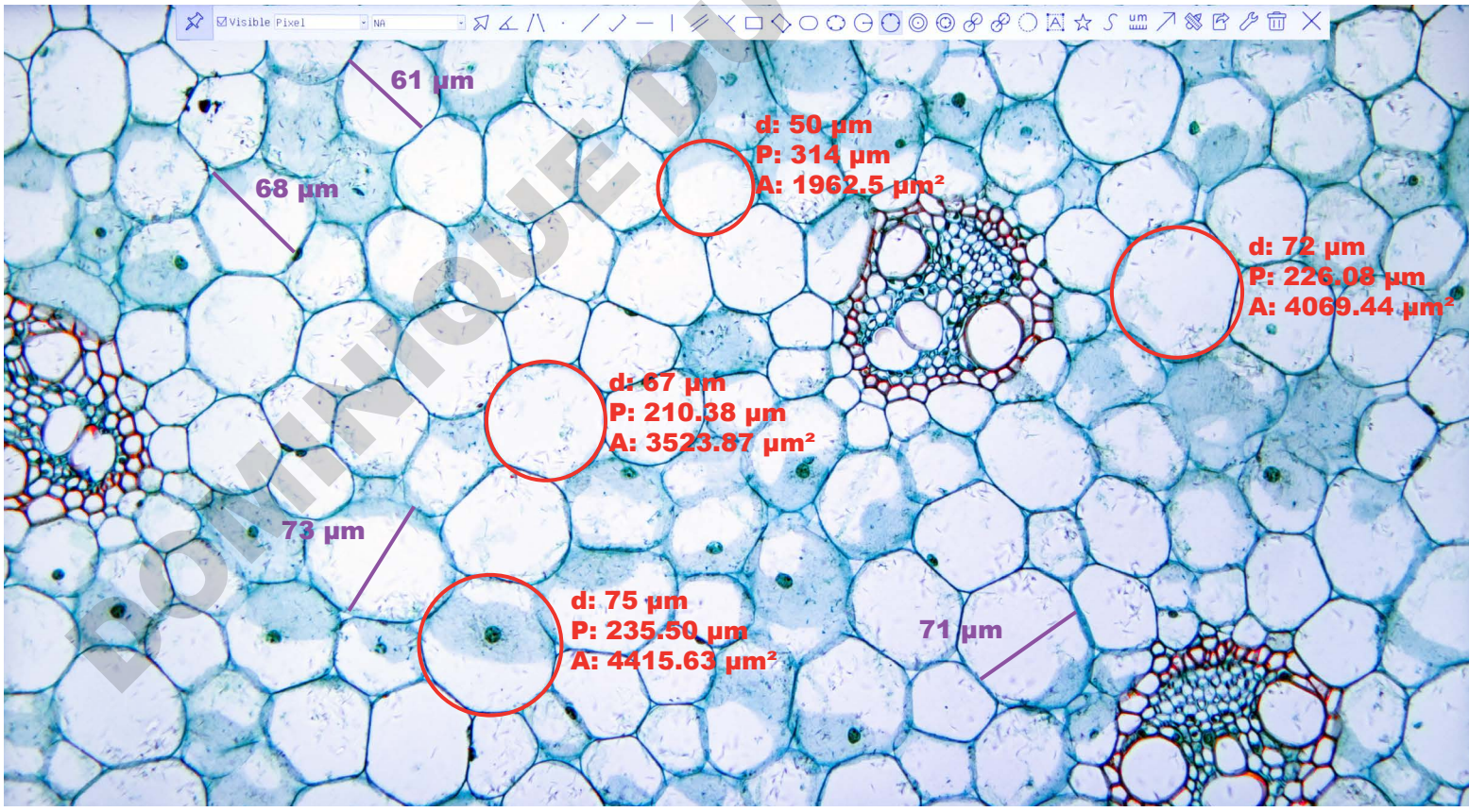


Real image as shown on the 4K screen

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Camera Control Panel and User Interface



Measurements

DO NOT DISTRIBUTE

B-510BF4K - Technical Datasheet

General

Observation Methods	Brightfield
Head	Digital Ultra HD resolution with 15.6" 4K Screen
Nosepiece	Quintuple, reversed
Objectives	IOS W-PLAN 4x, 10x, 40x, 100x (oil)
Stage	Rackless, mechanical, 233x147 mm, 78x54 mm movement range
Focusing	Coaxial coarse & fine (200µm/turn), upper stop, adjustable tension
Transmitted Illumination & Diaphragms	High-efficiency X-LED³ (3.6 W), manual brightness control. Köhler illumination system with field diaphragm
Condenser	N.A. 0.2/0.9, swing-out, sliding-in and with centering system

Digital Head

Screen	15.6", 3480x2160 pixel
Camera, HDMI resolution	3480x2160 pixel
Camera, PC (USB) resolution	8Mp, 20fps
Camera live HDMI measurements	yes
Camera exposure	Auto/Manual
Camera white balance	Auto/Manual/ROI

Software - General

Languages	English, French, German, Italian, Japanese, Korean, Russian, Thai

Software - Image Acquisition

Still image multiple format saving	yes
Video recording multiple format saving	yes
Continous automatic exposure	yes
Manual exposure	yes
Color acquisition	yes
Gray-scale acquisition	yes
Numerical focus indicator	yes
Image enhancement	yes
Zoom	In/Out
Image comparison	yes
Browse of images and videos	yes
Picture in picture (PIP)	yes
Freeze image	yes
Flip	Horizontal/Vertical

Software - Image Processing

HDR (High Dynamic Range)	yes
Text overlay	yes
Ruler overlay	yes
Arrow overlay	yes
Measurements overlay	yes
Grids	yes

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Software - Measurements

Live measurement	yes
Still image measurement	yes
Select measurement unit	yes
Available Measurements:	
Point	yes
Line	yes
3 points line	yes
3 points vertical line	yes
Angle	yes
4 points angle	yes
Parallel lines	yes
Rectangle	yes
3 points rectangle	yes
Ellipse	yes
5 points ellipse	yes
Circle (Center + Radius)	yes
Circle (3 points)	yes
2 Circle (Center + Radius)	yes
2 Circle (3 points)	yes
Annulus	yes
Annulus (3 points)	yes
Curve	yes
Arc	yes
Polygon	yes
Export to Excel	yes
Calibrational slide	included

Accessories

Included ■ Optional □

M-1049	IOS W-PLAN objective 2x/0.08	□
M-1125	IOS W-PLAN objective 4x/0.10	■
M-1126	IOS W-PLAN objective 10x/0.25	■
M-1127	IOS W-PLAN objective 20x/0.40	□
M-1128	IOS W-PLAN objective 40x/0.65	■
M-1129	IOS W-PLAN objective 60x/0.80	□
M-1130	IOS W-PLAN objective 100x/1.25 (oil)	■
M-005	Micrometric slide, 26x76mm, with 2 X scales (1mm/100div. for biological / 10mm/100div. for stereo)	■
15104	Cleaning kit	□
15008	Immersion oil, 10ml	■
VP-510	IQ/OQ/PQ Manual for B-510 series	□
DC-003	TNT dust cover, medium 600(l)x550(h) mm	■

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