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**B-510BF4K - Professional Digital
Microscope**

Order code: **0501.B510BF4K**



Information about product price on demand

Parameters

Microscopes types

Serie

Number of lenses

Digital

B-510

4

Description	4K Digital Head
Zoom of lenses	4x, 10x, 40x, 100x
Illumination	X-LED
Quantitative unit	ks

OPTIKA B-510BF4K fits into the 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.

EXCLUSIVE, STATE-OF-THE-ART 4K DIGITAL HEAD

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, 233×147 mm, 78×54 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", 3480×2160 pixel

Camera, HDMI resolution: 3480×2160 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

Continuous 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