B-290TB - Digital Microscope with Camera & Tablet

B-290TB

cloup

PATENTED

Tilting

20 | 10.1"
3.1 MP
X-LED³
HDMI
N-PLAN | MICRO SD
100x WATER | (wifi)
IVD AVAILABLE | (bluetooth)
AB020

3.1 MP Built-in camera and 10.8" Windows tablet PC with N-PLAN objectives, rackless stage and exclusive **X-LED³** for unmatchable performance in illumination. Ideal for discussion group with 360° rotating tablet.

Observation mode: Brightfield.

Head: Binocular, 360° rotating and 30° inclined. Interpupillary distance from 48 to 75 mm; dioptric adjuctment on left eyepiece. Built-in 3.1 MP camera.

Dioptric adjustement: On the left eyepiece tube.

Eyepieces: WF10x/20 mm, high eye-point and secured by screw.

Nosepiece: Quadruple revolving nosepiece, rotation on ball bearings.

Objectives:
N-PLAN 4x/0.10   N-PLAN 10x/0.25
N-PLAN 40x/0.65   N-PLAN 100x/1.25 (Oil/Water)
All with anti-fungus treatment.

Specimen stage: Double layer rackless mechanical sliding stage, 150x139 mm, 75x33 mm X-Y movement range. Vernier scale on the two axes, accuracy: 0.1 mm.

Focusing: Coaxial coarse and fine focusing mechanism with limit stop to prevent the contact between objective and specimen. Adjustable tension of coarse focusing knob.
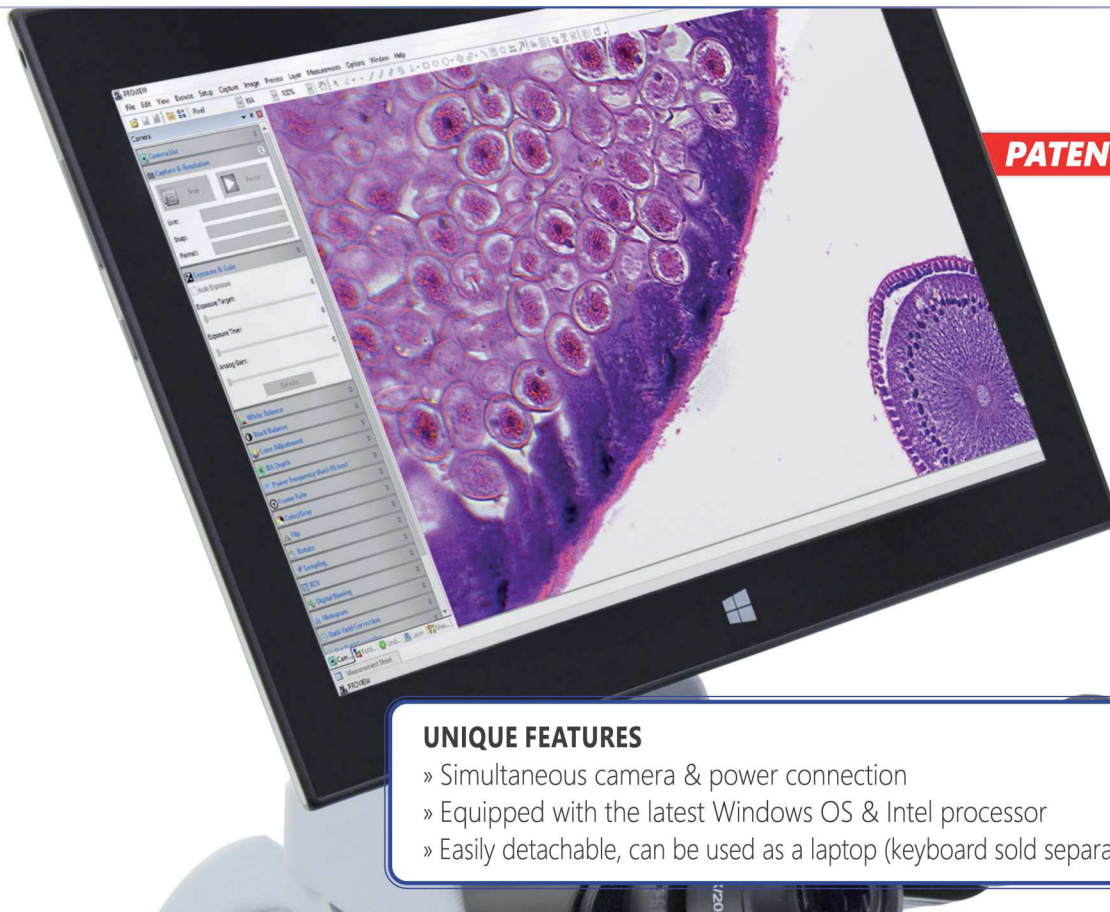
Condenser: Abbe N.A. 1.25, with objective-coded iris diaphragm, focusable and centerable.

Illumination (Fixed Koehler type): X-LED³ type with white 3.6 W LED (6,300 K) and light intensity control. Multi-plug 100-240Vac/6Vdc external power supply.

PATENTED

UNIQUE FEATURES
» Simultaneous camera & power connection
» Equipped with the latest Windows OS & Intel processor
» Easily detachable, can be used as a laptop (keyboard sold separately)

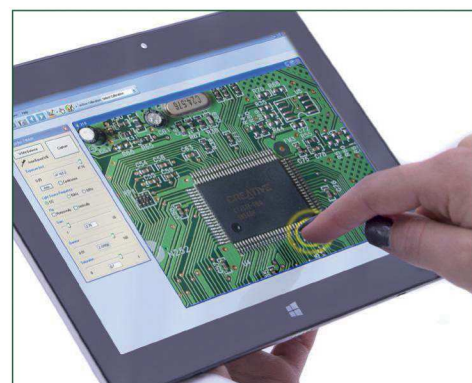# B-290TB - Digital Microscope with Camera & Tablet

The latest OPTIKA digital microscopes with Windows tablet PC open new microscopy horizons, combining high-end optics with innovative digital technology for microscopic imaging. B-290TB includes a 3MP camera with a 10.1" Windows tablet.
View, capture, analyze and share your images with simplicity and reliability.

TABLET TECHNICAL SPECIFICATIONS

Operating system	Windows 10 (64Bit)
CPU	Gemini-Lake, N4100
CPU speed	1.10 GHz
Graphic card	Intel® HD Graphics 600
RAM	Ram 6 GB LPDDR3
Display size	LED 10.1" IPS Multi Touch Screen
Display resolution	1920x1200
Storage	Hdd 128 GB
Network	WiFi (2.4G / 5G) - Bluetooth 5.0
Input ports	USB-C (1 USB2.0 for battery charge, 1 USB3.0) - Micro SD card reader
Output ports	Microphone - Headphone - Micro HDMI
Battery Type	Lithium-ion
Battery capacity	6500 mAh
Power consumption	24.05W
Power supply	12V 2A EU
Dimensions (mm)	261 x 167 X 9
Weight (Kg)	0.53
Language	Multilanguage
Weight	530 g
Tablet accessories included	OTG cable (micro USB-C to USB-A) USB cable USB-B to USB-A (0.5m) Touch pen

CAMERA TECHNICAL SPECIFICATIONS

Digital camera resolution	3MP
Signal output	USB 2.0
Sensor Size	1/2.5"
Sensor technology	CMOS
Image format	4\3
Full Image size	2048 x 1536
Pixel size	2.2 x 2.2 micron
Frame rate full resolution	5 frames\sec
Frame rate other resolutions	8 fps (1280x1024) - 30 fps (640x480)
Automatic White Balance	Auto - Man
Automatic Gain Control	Auto - Man
Automatic Back light control	Auto - Man
Exposure control	Auto - Man

Intuitive, Yet Powerful Software

Simple and user-friendly, ideal for students and experienced users.

360° Rotating & Tilting

Detachable

TB-KBD2 - Accessory keyboard for tablet