

TB Series

Upright Digital Microscopes with Tablet PC





Just one click to deliver fast, accurate and dependable results.

Enjoy looking at the Tablet PC in a comfortable position.



B-190TB Model

Optical system:

The optical system has been developed for demanding users; it consists of high quality components which guarantee an high image contrast and an excellent optical resolution. The optical components have been designed and treated with special techniques to prevent the formation of moulds and fungi.

Stand:

The stand has a modern and ergonomic design. It is easy to carry the microscope thanks to the large opening behind the revolving nosepiece, to be used as a handle. The opening allows the user to see clearly the objectives and the samples, as requested in discussion groups.

Mechanics:

The moving parts are made by means of machine tools with computerized numerical control reducing manufacturing tolerance and increasing the reliability of the instrument. The strict controls on materials and production processes are optimized through the procedures established by ISO 9001:2008 quality system.

Illumination:

X-LED type with white LED; light intensity control using a knob on left side of the frame.

LED power 3W, comparable to a 30-35W halogen bulb.

Camera:

Digital camera resolution: 3.14 MegaPixels Signal output: USB 2.0 - Sensor size: 1/2.5" Sensor technology: CMOS- Image format: 4/3

Full Image Size: 2048x1536. NO driver (microsoft driver).

Capture fetures: continuous auto exposure, image size, image capture, compressed video capture.

Control parameters: brightness, gain, exposur time, colors, color enhancement.

Tablet PC:

Equipped with Windows 8.1 operating system.

Included: Image Analysis software OPTIKA VISION LITE, full view function is also included for a wider Live Camera view.

2GB standard memory.

32GB capacity flash memory.

8" screen size.





B-290TB Model

Optical system:

The optical system has been developed for demanding users; it consists of high quality components which guarantee an high image contrast and an excellent optical resolution. The optical components have been designed and treated with special techniques to prevent the formation of moulds and fungi.

Stand:

The stand has a modern and ergonomic design. It is easy to move the microscope thanks to the large opening behind the revolving nosepiece, to be used as a handle. The opening allows the user to see clearly the objectives and the samples, as requested in discussion groups.

Mechanics:

The moving parts are made by means of machine tools with computerized numerical control. In this way we have reduced the manufacturing tolerance and increasing the reliability of the instrument. The strict controls on materials and production processes are optimized through the procedures established by ISO 9001:2008 quality system.

Illumination:

X-LED type with white LED; light intensity control using a knob on left side of the frame.

LED power 3.6W, comparable to a 50W halogen bulb.

Camera:

Digital camera resolution: 3.14 MegaPixels
Signal output: USB 2.0 - Sensor size: 1/2.5"
Sensor technology: CMOS- Image format: 4/3
Full Image Size: 2048x1536. NO driver (microsoft driver).
Capture fetures: continuous auto exposure, image size, image capture, compressed video capture.
Control parameters: brightness, gain, exposur time, colors, color enhancement.

Tablet PC:

Equipped with Windows 8.1 operating system. Included: Image Analysis software OPTIKA VISION LITE, full view function is also included for a wider Live Camera view.

2GB standard memory. 32GB capacity flash memory. 8" screen size.



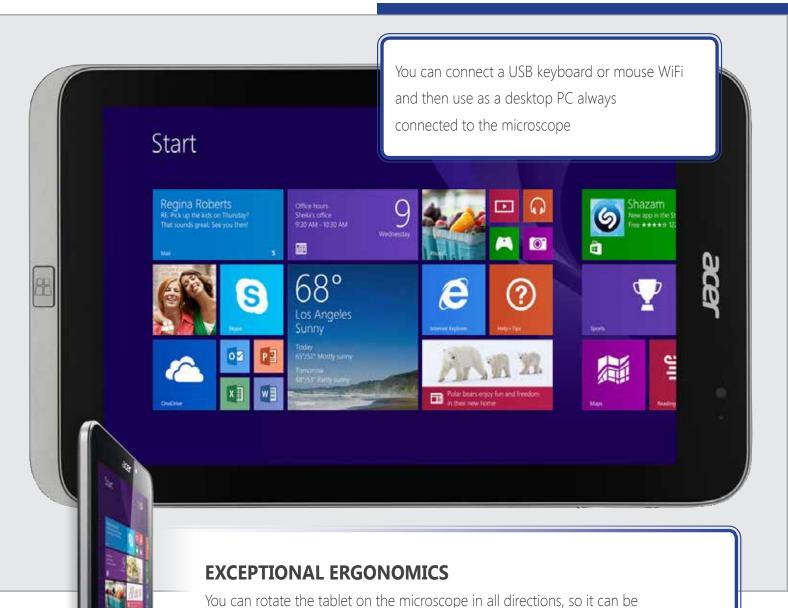


EXCEPTIONAL OPERABILITY

Equipped with an Intel quad-core atom
Battery life up to 8 hours
Battery life up to 4,5 hours in continuous camera live View mode.

You can detach the tablet and use it as a laptop

Acer Iconia W4-820



used as a microscope demonstration.

Technical specification

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PROCESSOR AND CHIPSET

Processor manufacturer **Processor Type**

Model

Speed

Processor Core

MEMORY

Standard Memory Memory Technology

Memory Card Reader Supported memory

STORAGE

Capacity flash memory

DISPLAY AND GRAPHICS

Screen Size Screen Type

Screen Mode

Screen Resolution Backlight technology

Touchscreen

Multi-touch screen

Graphics Controller Manufacturer

Graphics Controller Model Graphics Memory Technology

Graphics Memory Accessibility

Windows 8.1

Intel Atom

Z3740 1,33 GHz

Quad core (4 Core)

2 GB

LPDDR3 Yes

microSD

32 GB

20,3 cm (8")

LCD color TFT

WXGA 1280 x 800

LED Yes Yes

Intel

HD Graphics

LPDDR3 Shared

NETWORK & COMMUNICATION

LAN wireless

Wireless LAN standard

Bluetooth

Standard Bluetooth

INTERFACES / PORTS

HDMI

INPUT DEVICES

Keyboard Type

BUILT-IN DEVICES

Microphone

SOFTWARE

Operating System

Operating System Architecture Image Analysis software

BATTERY INFORMATION

Number of Cells

Battery Chemistry Battery Capacity

POWER DESCRIPTION

Maximum Power Supply Wattage

WEIGHT AND DIMENSIONS

Tihckness Width

Height

Weight (Approximate)

Yes

IEEE 802.11a/q/n

Bluetooth 4.0

Yes

Touchscreen

Yes

Windows 8.1,

Microsoft office.

Home & Student 2013

32-bit

OPTIKA VISION LITE

2-cell

Lithium Polymer

4960 mAh

10 W

11,5 mm

219 mm

135 mm

415 g





Headquarters and Manufacturing Facilities

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