

Technical Specification of Double Head Microscope with Camera QTY 1 (Annex – I)

Universal Infinity Optical System or better

Built-in Koehler illumination for transmitted light (30W Halogen or better), light intensity manager switch high color reproductively LED light source, **Fluorance illuminator 100W or mercury lamp or better.**

Light Intensity Management Function

Quintuple Revolving Nosepiece

Swing out Achromatic Condenser (NA 0.9)

Trinocular Tube F.N 22

10X Eyepiece F.N 22

Observation tubes: Super widefield (**FN 22 or better**)

7 Position Coded Nosepiece

Mechanical stage

Plan apochromat/**N-Acroplan/Plan new flour** objectives

4X N.A 0.1

10X N.A0.25

20X N.A0.4

40X N.A0.65

100X0 N.A1.25

60X

2X

Analyzer and polarizer Attachment required

Dual observation attachment for 2 persons with built-in LED Arrow Pointer

Microscope Digital Camera with WLAN

Pixels: **5 Mega pixels color camera or better**

Image Sensor: Color CMOS

Sensor Size: 1/1.8 inch (7.140 mm × 4.980 mm)

Resolution (max.):

2592 × 1944 pixels (Snapshot only) /

1920 × 1080 pixels (HDMI, WLAN, on PC)

Pixel Size: 2.4 × 2.4 μm

Exposure Times: 1 ms – 918 ms

A/D Converter (Bit Depth): 8 bit

Live Frame Rates:

Up to 30 fps (on PC, 1920 × 1080 pixels)

Data Transfer: HDMI, WLAN (using the WLAN adaptor), Ethernet (using the USB-to-Ethernet adaptor)

Annotation Functions: Text, Arrow, Rectangle, Circle

Point: Coordinates, number

Scale bar

Operating System: Microsoft Windows 10 (32 bit/64 bit), Microsoft Windows 8/8.1 (32 bit/64 bit), Microsoft Windows 7 (32 bit/64 bit) or better

Mount: C-mount

Compatible Computer with 22" LED or better

One TB Hard disk

Ram 4GM

Batter pack up imported(30Min)

Note: Camera should be from same manufacturer

Country of Origin: USA/Europe/Japan

Technical Specification of Double Head Microscope QTY 1

(Annex – II)

Universal Infinity Optical System or better

Built-in Koehler illumination for transmitted light (30W Halogen or better), light intensity manager switch
high color reproductively LED light source, Fluorance illuminator 100W mercury lamp or better.

Light Intensity Management Function

Quintuple Revolving Nosepiece

Swing out Achromatic Condenser (NA 0.9)

Trinocular Tube F.N 22

10X Eyepiece F.N 22

Observation tubes: Super widefield (FN 22 or better)

7 Position Coded Nosepiece

Mechanical stage

Plan apochromat/ N-Acroplan/ Plan new flour objectives

4X N.A 0.1 W.D 18.5 or better

10X N.A 0.25 W.D 10.6 or better

20X N.A 0.4 W.D 1.2 or better

40X N.A 0.65 W.D 0.6 or better

100X0 N.A 1.25 W.D 0.15 or better

60X

2X

Dual observation attachment for 2 persons with built-in LED Arrow Pointer

Analyzer and polarizer Attachment required

Country of Origin: USA/Europe/Japan

Technical Specification of Single Head Microscope QTY 5

(Annex – IV)

Universal Infinity Optical System or better

Built-in Koehler illumination for transmitted light (30W Halogen or better), light intensity manager switch
high color reproductively LED light source, Fluorance illuminator 100Wa mercury lamp or better.

Light Intensity Management Function

Quintuple Revolving Nosepiece

Swing out Achromatic Condenser (NA 0.9)

Trinocular Tube F.N 22

10X Eyepiece F.N 22

Observation tubes: Super widefield (FN 22 or better)

7 Position Coded Nosepiece

Mechanical stage

Plan apochromat/ N-Acroplan/ Plan new flour objectives

4X N.A 0.1 W.D 18.5 or better

10X N.A 0.25 W.D 10.6 or better

20X N.A 0.4 W.D 1.2 or better

40X N.A 0.65 W.D 0.6 or better

100X0 N.A 1.25 W.D 0.15 or better

60X

2X

Analyzer and polarizer Attachment required

Country of Origin: USA/Europe/Japan

Technical Specification of Cryostat QTY 1

(Annex – V)

Feature/ Clinical Purpose

For Section Cutting of Histopathology Specimen Sample

Technical Specifications

Requirements:

1. Fully automated rotary microtome
2. Automated sectioning can be operated via velocity knob
3. Accidental start prevented by double click operation
4. Ergonomic removable control panel can be located on either side of the microtome
5. Memory function for specimen positioning
6. Touch-pad keyboard to select section thickness sectioning mode, speed and memory function
7. Easy switch between thickness setting for TRIM and
8. Powerful Sectioning motor
9. Rapid Refrigeration Mode allows desired temperature drop in 60 Minutes
10. Quick Freeze shelf: $\leq - 50^{\circ}\text{C}$
11. Maximum specimen: 35 x 35mm or better
12. X/Y fine orientation with reproducible zero positioning
13. Automatic brake following motorized action
14. Easily accessible emergency stop button
15. 4 motorized modes of operation (single section, interval, multi sections, and continuous
16. Programmable cutting window
17. Specimen retraction / can be deactivated
18. Longest stroke length available (60-70mm) allows high quality sections even of Macro / Super Mega cassettes
19. Large removable section waste tray covers entire working area

User Adjustable Setting:

20. Cutting Stroke: 60-70mm
 21. Total Specimen Advance: 28mm
 22. Section Thickness Range: 0.5 - 100 μm
 23. Trim Thickness Range: 5 - 300 μm or more
 24. Retraction: 40 μm
 25. Sectioning Speed: 0 - 450mm/s
- Built in battery Back/UPS(Imported)

Compliance USA/Europe/Japan