



MS1320

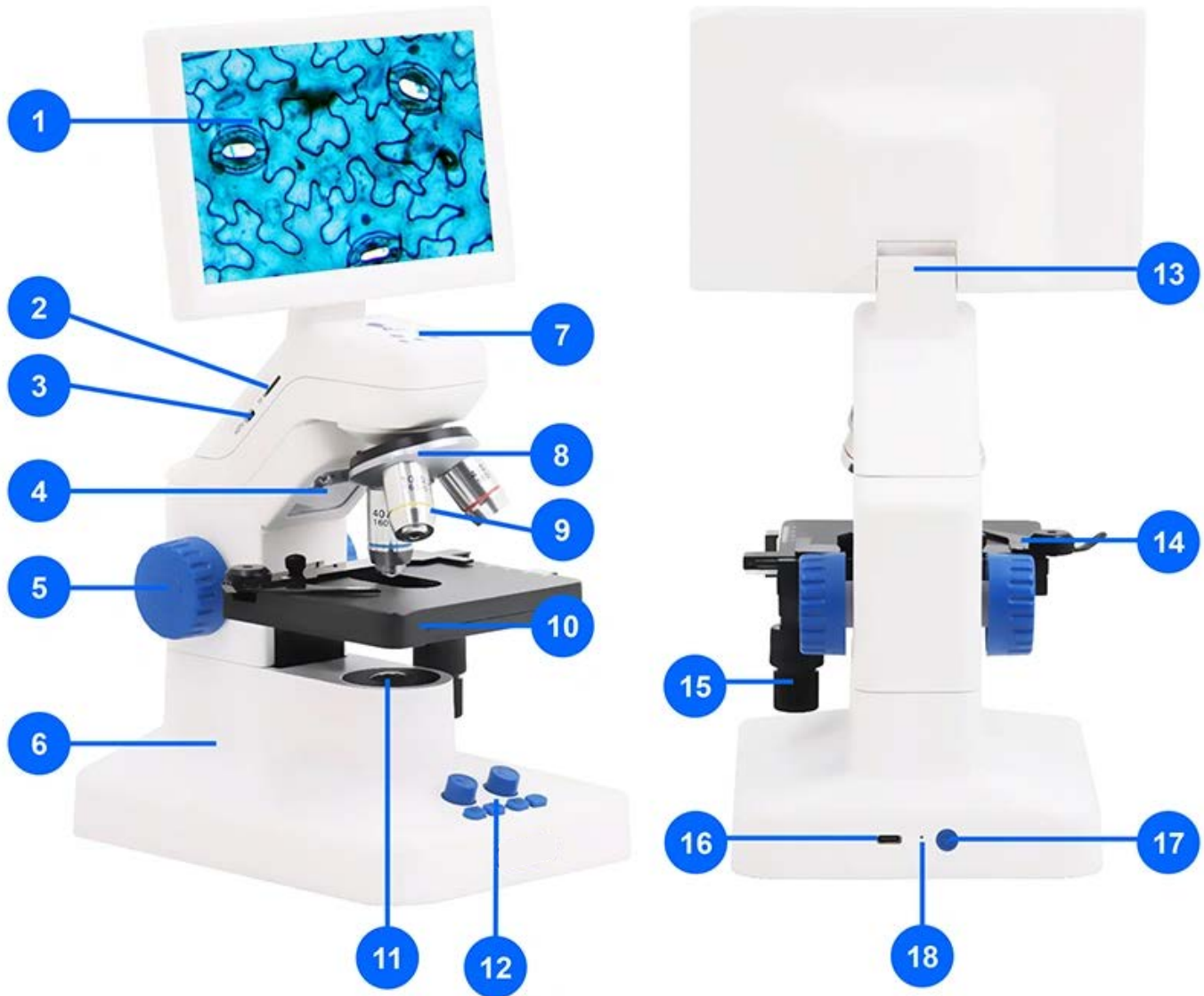
Smart LCD Biological Digital Microscope



Smart LCD Screen | Dual LED Light | HDMI/USB & WiFi



Components



- | | | |
|---------------------------|----------------------|----------------------|
| 1. 7" LCD Screen | 2. TF Card Slot | 3. Micro HDMI Output |
| 4. Upper LED Light | 5. Focusing Knob | 6. Main Body |
| 7. Brief Manual | 8. Nosepiece | 9. Objective |
| 10. Working Stage | 11. Bottom LED Light | 12. Function Buttons |
| 13. LCD Adjustable 120 | 14. Specimen Clip | 15. Stage X/Y Moving |
| 16. Type C USB & Power In | 17. Power Switch | 18. Power Indicator |





Product Specifications

Magnification	Optical 55x- 550x, Digital Zoom 2x (20 Steps), Total Magnification 55x-1100x With 100x Optical Objectives, Total Magnification up to 2750x
LCD Screen	7" IPS LCD, Resolution 1024 x v600, Angle Adjustable 120 Degrees
Camera	CMOS 2.0M, Photo Resolution 8.0M, Video Resolution 1920x1080p
Sensor	1/2. 9" CMOS
Pixel Size	2.8 x 2.8 um
Nosepiece	3 Holes
Objective	Achromatic 4x, 10x, 40x(Spring) High Contrast Achromatic 20x, 60x(Spring), 100x(Oil, Spring) Optional
Stage	Double Layer Mechanical Stage 95x105mm, Moving Range 20x50mm
Light	Upper & Bottom LED, Brightness Adjustable
Focusing	Coarse Focusing Knob, Focusing Range 8mm
Output	HDMI 1080p to TV USB 2.0 to Computer, Support Win10, Win11, Measuring Software Strange View WIFI to Android or IOS Mobile Phone and Tablet, APP T-OX.
Buttons	Buttons on Stand: Photo/Video/Album/Menu, Light Switch, WIFI Switch
Power	DC 5V 2A Adapter with Type C Cable 18650 Rechargeable Battery
ECO	Auto Power Off Setting 1min, 3min, 5min, 10min etc. Available
Measure	Built in Measuring Scale for 4x, 10x, 40x
Language	11 Languages Supported
Size	31*19*18cm
Package Contents	18650 Rechargeable Battery, Power Supply, HDMI Lead 10 Pre-loaded Slides, 1 pc Portable Bag with Handle, 20*23*27cm / 2Kg

Operation

Viewing Samples

- Start with 4x objective, coarse focus, then switch to 10x/40x.
- Adjust upper/lower LED brightness as needed.
- Use digital zoom for fine details.

Capturing Images/Videos

- Menu controls: photo, video, album, etc., accessible via front buttons
- Images saved to TF card; also stream via HDMI/USB.
- To transfer to PC: launch StrangeView software (Windows/Mac)
- Mobile use: connect via T-OX app for iOS/Android





Advanced Features & Maintenance

Connectivity

Micro HDMI Output

Connect external monitor or projector (up to 1080p)

USB 2.0

For live imaging via included StrangeView PC software (Windows 10/11)

Wi-Fi

Connect to iOS/Android devices through T-OX app for live display & capture

Measurement & Calibration

Use built-in scaleplate corresponding to objective magnification

Calibrate in measurement software (StrangeView or app) as needed

Maintenance & Troubleshooting

Clean optics with lint-free lens tissue

Unplug before cleaning; use mild alcohol solution for housing

Common Fixes

No display: check power / brightness

Blurry image: refocus, ensure slide is flat

Wi-Fi not found: toggle Wi-Fi mode, reconnect with app

Media saving error: verify TF-card is inserted and formatted

Additional Tips

Calibrate measurement using a stage micrometer and software.

Optional objectives (20×, 60×, 100× oil) available—professionals only.

Battery version ideal for fieldwork; ensure you use 18650 compatible cells.

Storage: Keep in supplied bag when not in use; avoid damp environments.

