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# NovaView

NV.2100

## HIGHLIGHTS

- **All-in-one digital microscope with integrated 7" Full HD touchscreen**
- **Crisp 1920 x 1080 live image display and video recording**
- **Integrated WiFi connectivity for wireless image and video transfer**
- **Dedicated app for capturing photos and videos on smartphones and tablets**
- **Dual LED illumination for incident and transmitted observation**
- **Integrated X-Y mechanical stage with smooth precision movement**
- **Rechargeable cordless operation for portable classroom use**
- **HDMI output for connection to external monitors or TVs**
- **Capture photos and videos directly to MicroSD card**
- **Easy touch operation for image enhancement and measurements**
- **Compact and ergonomic design**




● *NV.2100*

| | |
|---|---|
| **NV.2100** | 320 (h) x 174 (w) x 190 mm (d) \| 1.6 kg |

## SPECIFICATIONS

### DIGITAL SYSTEM

- Integrated 2 MP CMOS camera
- 1/2.8" CMOS sensor
- Full HD 1920 x 1080 resolution
- Integrated 7" touchscreen monitor
- Integrated WiFi module
- Wireless connection to smartphones and tablets
- Compatible app for image and video capture
- HDMI output for external display connection
- Photo and video recording to 32 GB MicroSD card
- Adjustable brightness, exposure and contrast settings
- Live measurements(cannot be saved)

### OPTICAL SYSTEM

- Finite-conjugate optical system
- Quadruple revolving nosepiece
- Achromatic objectives: 4x/0.10, 10x/0.25, 40x/0.65 and 100x/1.25 oil immersion
- Anti-fungus treated and anti-reflection coated optics
- Cover glass thickness: 0.17 mm

### FOCUSING

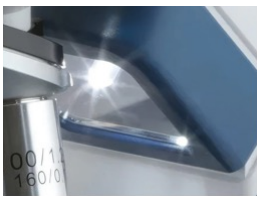
- Coaxial coarse and fine focusing controls
- Coarse stroke: 3.2 mm, fine stroke: 0.48 mm
- Fine precision: 0.004 mm
- Symmetrical ergonomic focusing knobs

### STAGE

- Mechanical stage size: 95 x 105 mm
- X-Y movement range: 20 x 50 mm
- Low-position coaxial stage controls
- Metal slide holder with smooth movement

### ILLUMINATION

- Adjustable transmitted LED illumination
- Adjustable incident LED illumination
- Selectable incident and transmitted illumination



### POWER SUPPLY

- Rechargeable Li-Ion 18650 battery
- 3.7 V / 2000 mAh
- USB-C charging connection
- Operates while charging
- External 100-240 V mains adapter included



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## DIGITAL FUNCTIONS

- Live image viewing
- Wireless image sharing via WiFi
- App-based photo and video capture
- Image capture directly to smartphone or tablet
- Photo and video recording to MicroSD card
- On-screen measurement functions
- Image enhancement controls

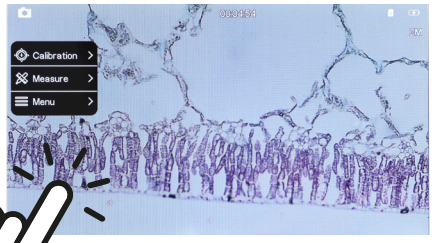
## APPLICATIONS

- Schools and universities
- Interactive classroom demonstrations
- Hybrid and digital teaching environments
- Biology education
- Water analysis
- Plant and soil studies
- Live or fixed cell observation

## PACKAGE CONTENT

- NovaView NV.2100 microscope
- USB power adapter
- USB-C cable
- HDMI cable
- 32 GB MicroSD card
- Rechargeable Li-Ion battery
- Carrying/storage case
- Digital user manual download
- WiFi app download information

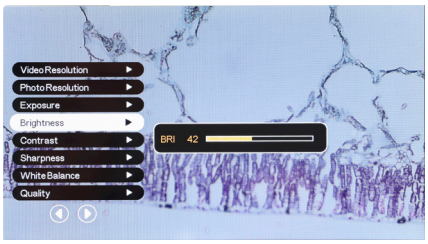















| MODEL | Objectives | Display | Illumination | Full-field focused scanning |
|---|---|---|---|---|
| NV.2100 | 4x, 10x, 40x, 100x oil | Integrated 7" Full HD touchscreen (1920 × 1080 pixels) | • | No |

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