

# DIGI MINI

Digital Microscope  
with 7" LCD tablet

The **Nuverto Mini** is an advanced fully functional, complete yet portable microscope customized for Artificial Insemination professionals for bovine frozen semen analysis for PTM (post thaw motility) under ideal semen viewing parameters and for help in microscopic field evaluation of blood samples, smear, skin, urine and fecal samples.



## Features & Application

### Ergonomic 7 inch IPS Display:

- 7 inch LCD digital microscope offers a wide, clear screen view
- Eliminates the need for external displays
- Ergonomic design protects cervical spine and eyes
- Significant improvement over traditional eyepieces

### Effortless Management via WiFi & App:

- WiFi connectivity allows real-time viewing, zooming, and capturing of photos/videos
- Files are stored on both phone and SD card for easy sharing

- Compatible with Android and iOS devices

### Double Layer Precision Table:

- Movable metal table with 1.0 mm table pitch
- Secure slide locking for precise X and Y axis manipulation
- Enables coordinate recording for detailed observations

### Record Your Discoveries:

- Combines microscope and camera functions
- Captures 8MP photos and 1080P videos
- Record and share microscopic moments, like swimming paramecia, to create meaningful memories

## Technical Specifications

### Magnification

- Digital Zoom: 2x

### Display

- Screen: 7" IPS LCD
- Resolution: 1024 x 600
- Adjustable Angle: 120°

### Camera & Sensor

- Camera Type: CMOS 2.0MP
- Photo Resolution: Up to 8.0MP
- Video Resolution: 1920 x 1080p (Full HD)
- Sensor Size: 1/2.9" CMOS
- Pixel Size: 2.8 x 2.8  $\mu\text{m}$

### Optics

- Nosepiece: 3-hole
- Objectives: Achromatic High Contrast – 10x, 20x, 100x

### Stage

- Type: Double-layer mechanical stage
- Size: 95 x 105 mm
- Movement Range: 20 x 50 mm

### Illumination

- Light Source: Upper & bottom LED
- Brightness: Adjustable

### Focusing

- Type: Coarse focusing knob
- Focusing Range: 8 mm

### Output & Connectivity

- HDMI Output: 1080p to TV
- USB Output: USB 2.0 to PC (Windows 10/11)
- Wireless: Wi-Fi connection to Android/iOS device

### Controls

#### On-Stand Buttons:

- Photo/Video/Album/Menu
- Light switch
- Wi-Fi switch

### Power Supply

- Adapter: DC 5V 2A (Type-C cable)
- Battery: Rechargeable
- Eco Mode: Auto power-off (1, 3, 5, 10 minutes, etc.)

### Measurement Tools

- Built-in measuring scale for 4x, 10x, and 40x objectives

### Additional Features

- Product Size: 31 x 19 x 18 cm
- Package: Portable bag with handle
- Dimensions: 20 x 23 x 27 cm
- Weight: 2 kg