# HoverCam®

Nillo 100

Quick Start Guide

Welcome

The Nillo 100 is the world's first truly-intelligent, Android-powered document camera that allows you to:
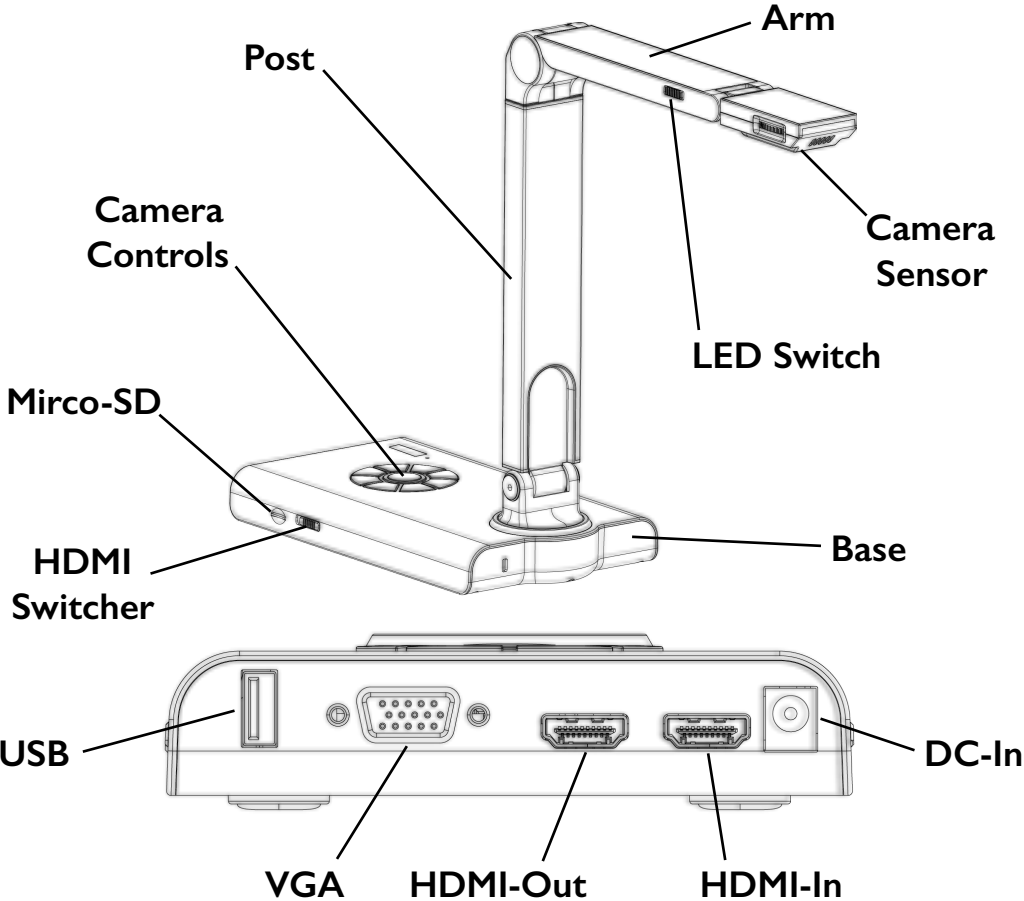
- Record lessons and view documents in full-motion HD
- Stream and upload lessons instantly to the cloud
- Connect wirelessly to Chromebook, iPad, Android tablet, PC and Mac
- And more!

What's in the box:
1. Nillo 100 Document Camera
2. DC Power Adapter
3. Wired Mouse
4. USB Cable
5. HDMI Cable
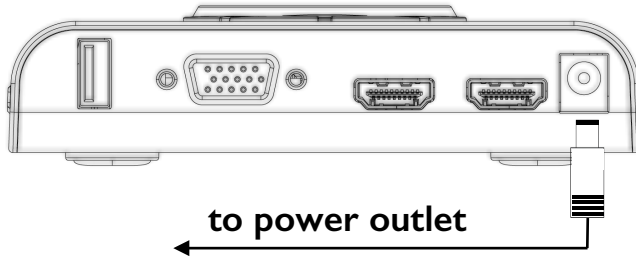6. Document Positioning Mat
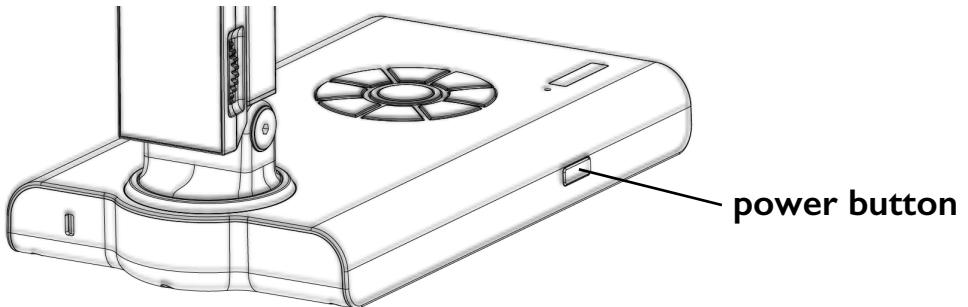7. Warranty Registration Card
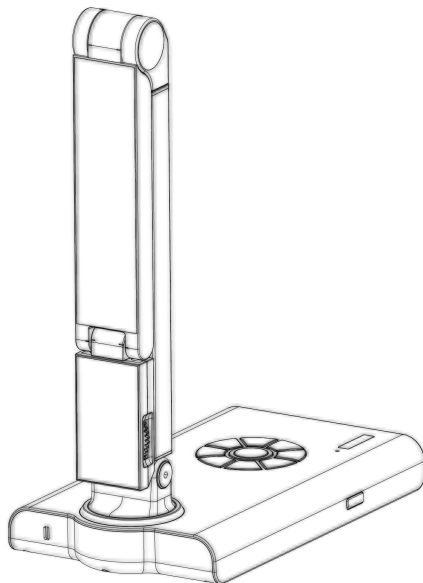
Getting to know the Nillo 100

1. Powering On

To power on the Nillo 100, first plug the included DC power adapter into an available power outlet, and plug the the cord into the Nillo's DC power in.
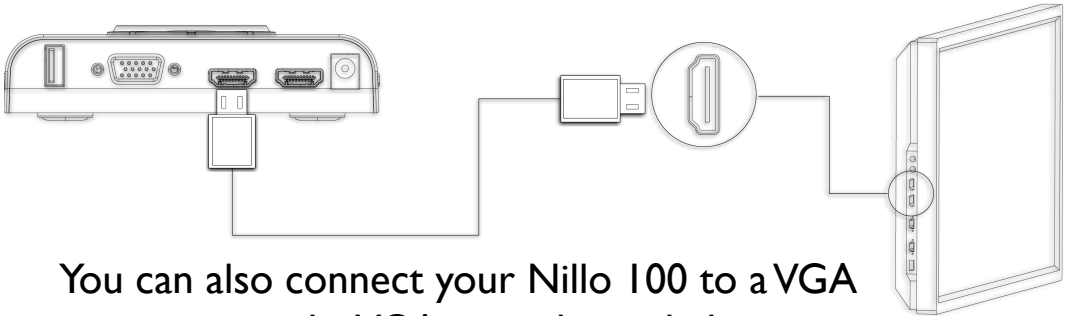

to power outlet

Next, press and hold the power button for five seconds. Boot-up time is approximately 60 seconds.
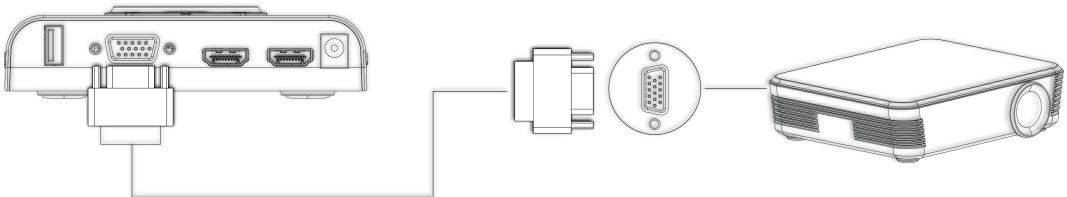

power button

2. Connecting to a Display

To connect your Nillo 100 unit with HDMI, simply insert an HDMI cable to the HDMI-Out port on your Nillo 100 and the display you wish to use. Make sure the HDMI Switch is set to "OUT"

You can also connect your Nillo 100 to a VGA projector, via the VGA port shown below:

(For wireless connectivity, skip to step 7)

3. Navigating the Nillo 100

The Nillo 100 can be operated with a wired USB mouse (included), a bluetooth mouse, or a USB Touch-enabled display. Simply insert your wired mouse, wireless dongle, or touch USB cable into the USB port to navigate your device.
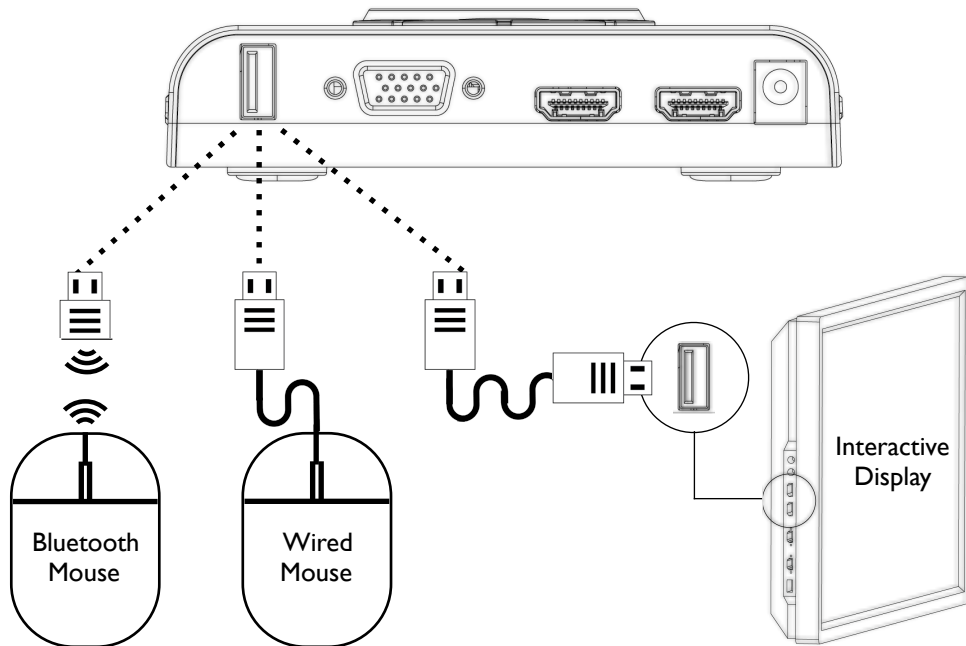
4. Operating the Software

The main document camera application provides access to the Nillo 100's camera features and controls:

Lesson Recording

Annotation Wheel

Control Dock

Media Library

Magnifies View

Freezes Current View

Focus Controls

Settings Menu

Snapshot Zoom Record Freeze View AF Adjust Settings Exit

Captures a Still Image

Records a Video

Rotation & Mirroring

Camera Preferences

Home Screen
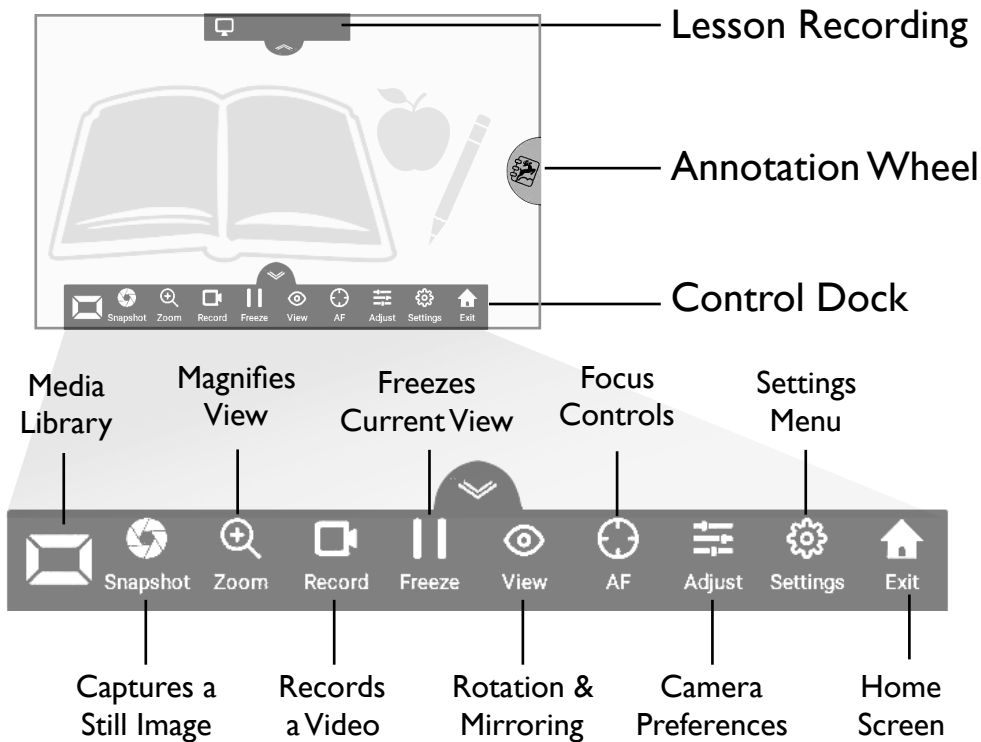
5. Annotating

The software also includes a pull-out **Annotation Wheel** (located on the right side of the screen) with the several functions. To adjust color, thickness and transparency of annotations, simply double click on the function's icon.

- select and move objects
- creates freehand lines
- creates ovals
- undo last action
- creates straight lines
- redo previous action
- erases a specific area
- Smart Tool*
- creates an editable textbook
- creates a rectangle
- clears all annotations
- creates an arrow
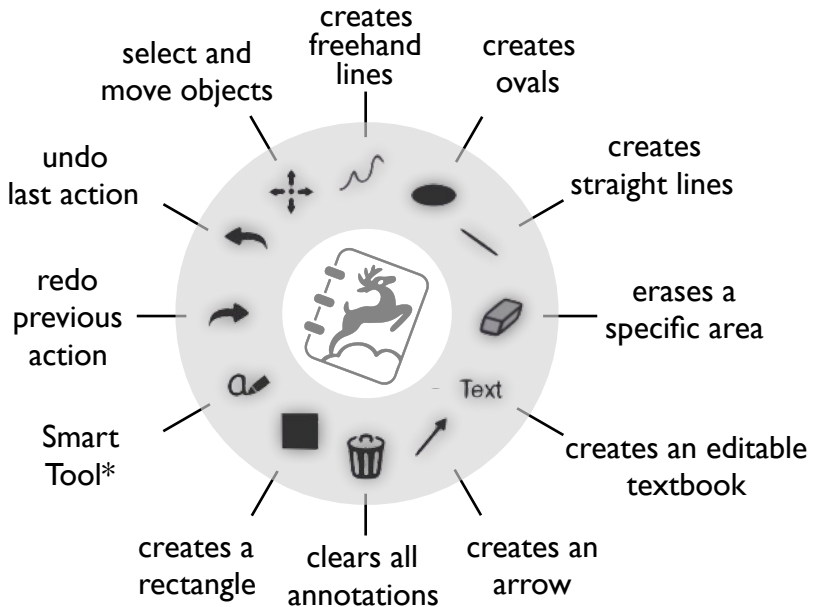
*The Smart Tool automatically recognizes hand-drawn text, numbers, and objects, and digitizes them into interactive functions.

6. Controlling Camera Functions

For added convenience, the following camera controls can also be accessed via the control wheel located on the base of the Nillo 100:

Snapshot
of the current camera view

Rotate
the image 90 degrees

Screenshot
of the entire screen

Freeze
current onscreen image

Record
starts/stops video and audio recording

Zoom-Out
of the current image

Focus Lock
disables autofocus

Zoom-In
on the current image
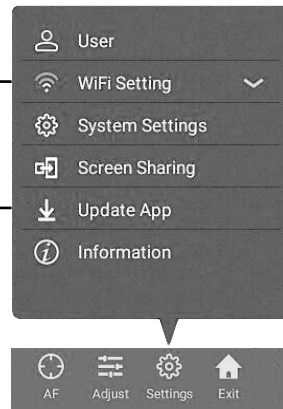
Autofocus
continuous autofocus
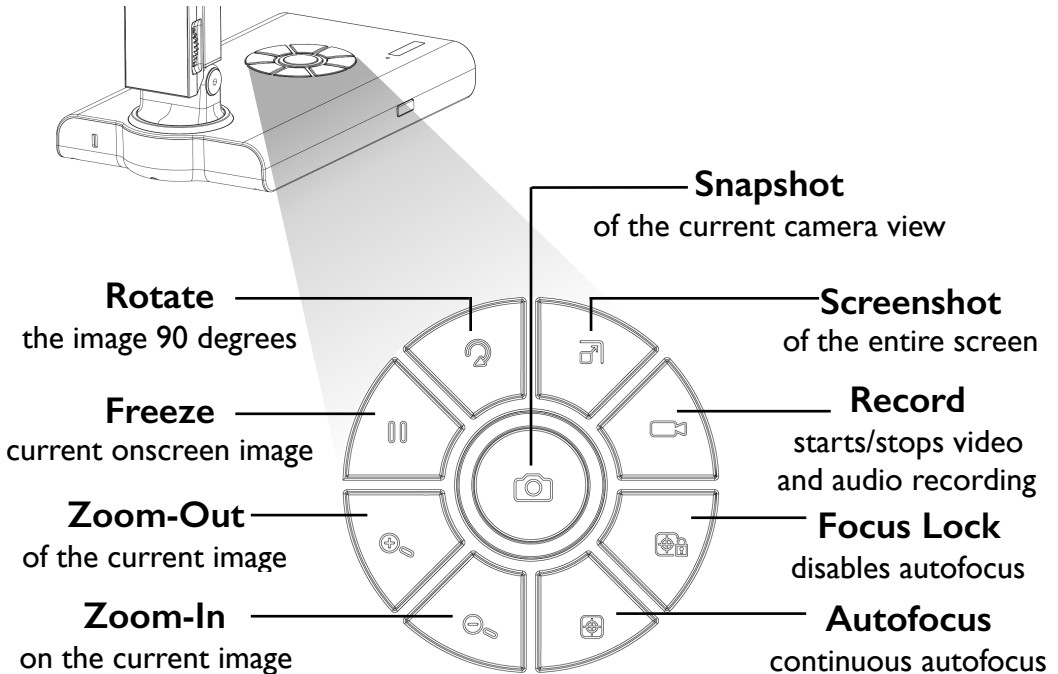
7. Wireless Connectivity

To use the Nillo's wireless capabilities, you'll first need to connect to a WiFi network. Find **WiFi Settings** under the "Settings" tab located on the control dock, select the appropriate network, and enter the necessary security information.

Once you have successfully connected to WiFi, be sure you update your Nillo 100 to the latest software by selecting **Update App***

To use the **Lesson Recording** feature to upload lessons to the cloud, you'll first need to login to your KnoteSter account. Select the **User** menu item to enter your KnoteSter email address and password, or create un account by selecting "register"

    User
    WiFi Setting
    System Settings
    Screen Sharing
    Update App
    Information

AF   Adjust   Settings   Exit

*You may have to update more than once for the latest document camera software
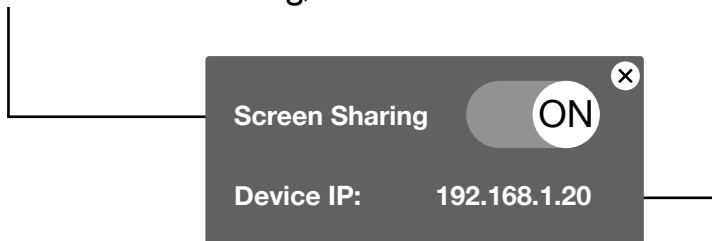
8. Screen Sharing and Wireless Control

The Nillo 100 features **DashTop,** an application that allows uses to remotely view, annotate, and control the Nillo 100's document camera application from a mobile device application or a computer's internet browser.

To get started, first make sure both the Nillo 100 and screen sharing device are on the same wireless network. (see Step 7)

- 👤 User
- 📶 WiFi Setting ⌄
- ⚙️ System Settings
- 🔂 Screen Sharing
- ⬇️ Update App
- ⓘ Information

◎ AF   ≡ Adjust   ⚙️ Settings   🏠 Exit

Next, select the **Screen Sharing** option from the "Settings" tab located on the control dock.
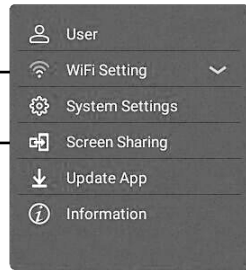
Once the Screen Sharing menu comes up, use the slider to **turn-on** Screen Sharing, and take note of the **Device IP**.

Screen Sharing	⊗ ON
Device IP:	192.168.1.20

9. Screen Sharing and Wireless Control (Cont.)

To wirelessly connect with a computer, open your internet browser and access **dashtop.knotester.com** and enter the **Device IP.** To wirelessly connect with a mobile device, download the DashTop app from the iOS or Google Play app stores and enter the **Device IP.**
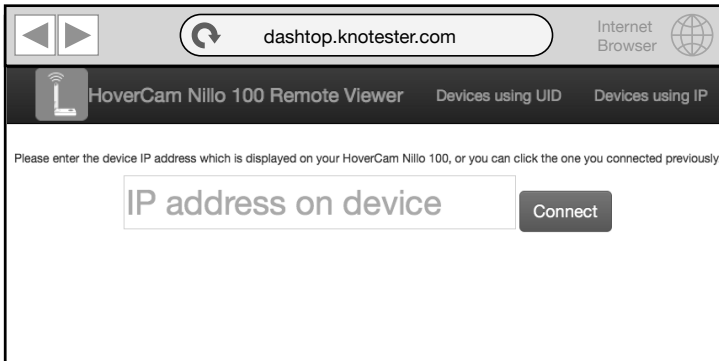
Need assistance? Visit our website at **www.thehovercam.com** the complete Nillo 100 user manual, or contact us:

HoverCam Technical Support
support@thehovercam.com / (866)-201-2056