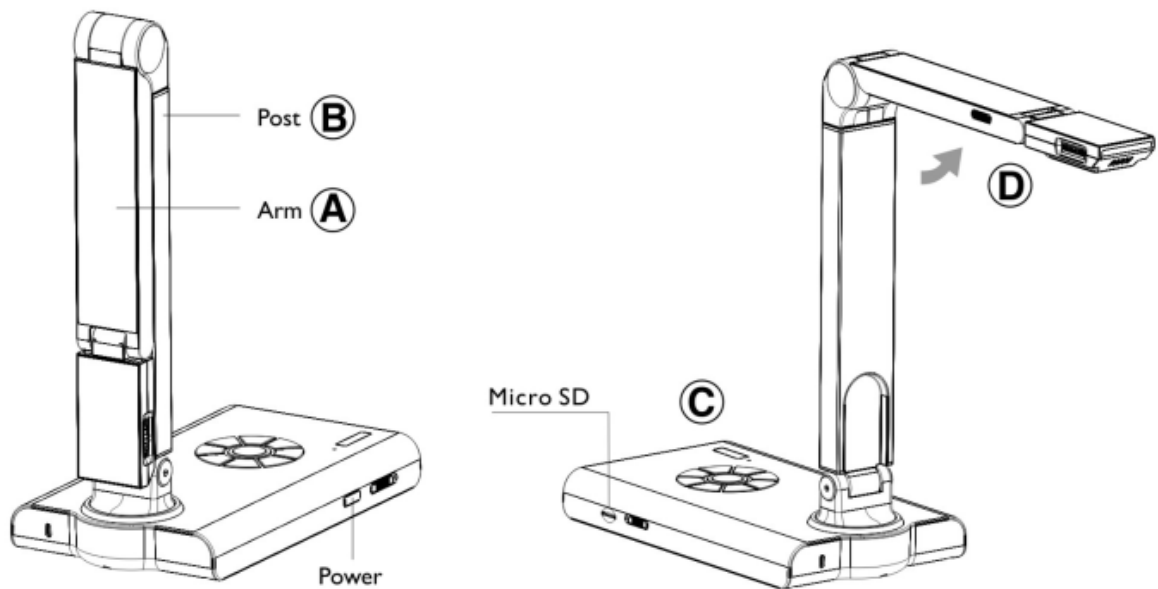# Nillo 100

by **HoverCam**®

# Quick Instruction Guide

Step 1: Getting Started

The hardware of the Nillo 100 is comprised of three main components: the Arm (A), the Post (B), and the Base (C). The post can rotate up to 270 degrees, allowing for a wide range of viewing angles. Raise the arm by unfolding it 90 degrees (D) to begin using your Nillo.

Step 2: Powering On

Your new Nillo 100 comes equipped with five separate inputs/outputs:

1. **USB 2.0 (A)**: Connects device to computer
2. **VGA (B)**: Connects device to non-HDMI screen or monitor.
3. **HDMI-Out (C)**: Connects device to HDMI-compatible screen or monitor
4. **HDMI-In (D)**: Connects to HDMI-compatible computer
5. **DC-In (E)**: Supplies power to device
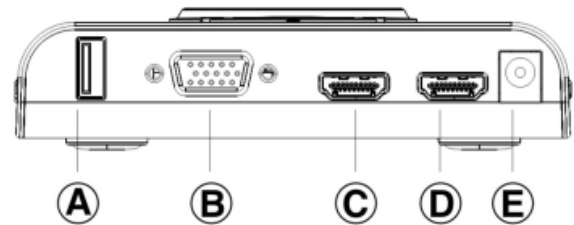
To power on your product, insert the power chord included in the packaging into the DC in slot. Press and hold the power button until the LED light on the base turns on, signaling successful boot-up. To power off, remove the power chord or hold the power button for manual shut down.

*Note: Your Nillo 100 runs an operating system as powerful as a smart phone or tablet and requires minimal start-up time.

Step 3: Powering On (cont.)

Once powered on, you can access a variety of functions directly from your device.

Each function has a corresponding icon:
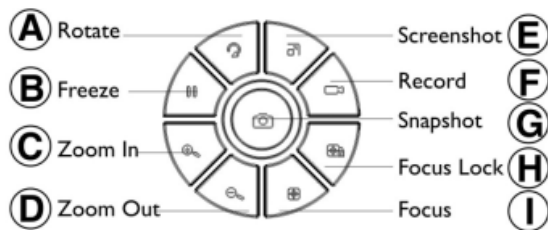
*Note: Screenshot captures everything visible on the desktop of your computer. Snapshot captures that which is viewed under the camera.

(A) Rotate: Rotates your image 90 degrees

(B) Freeze: Holds on-screen image in place

(C) Zoom In: Narrows field of view

(D) Zoom Out: Broadens field of view

(E) Screenshot: Captures current on-screen image

(F) Record: Begins recording video and audio

(G) Snapshot: Captures current camera view

(H) Focus Lock: Focuses camera and locks focus on one focal point

(I) Focus: Continued autofocus

Step 4: Maneuvering the Camera

The camera head to the Nillo 100 is capable of flipping 90 degrees upwards to become a front-facing camera (A) or downwards to act as a down-facing camera (B).

The Nillo 100 captures video via the camera and audio via the mic (C).

Ⓔ LED Switch

Ⓐ

Ⓑ

Angled LED

Ⓓ

180°
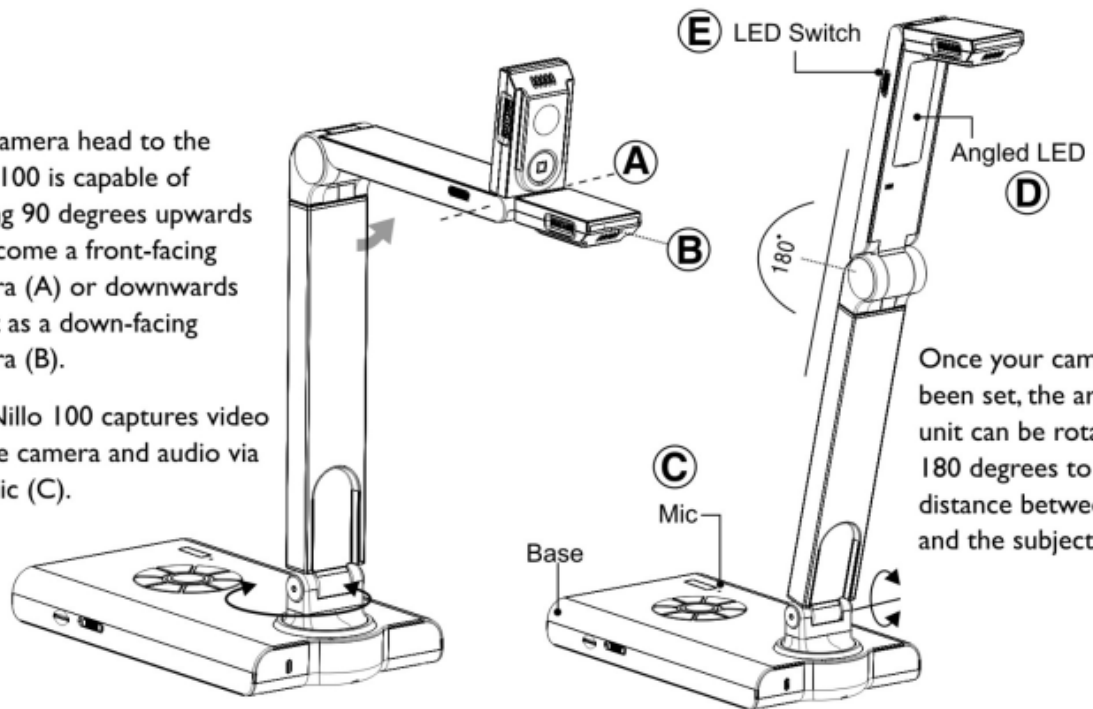
Once your camera has been set, the arm of the unit can be rotated up to 180 degrees to increase distance between the unit and the subject.

Ⓒ

Mic

Base

An optional built-in LED light (D) can be utilized to brighten the subject area by turning it on with the LED switch (E).

Step 5: Hardware Connectivity

OUT   IN

HDMI

B

C   A

HDMI cable(sold separately)

HDMI Out Connector

HDMI In Connector
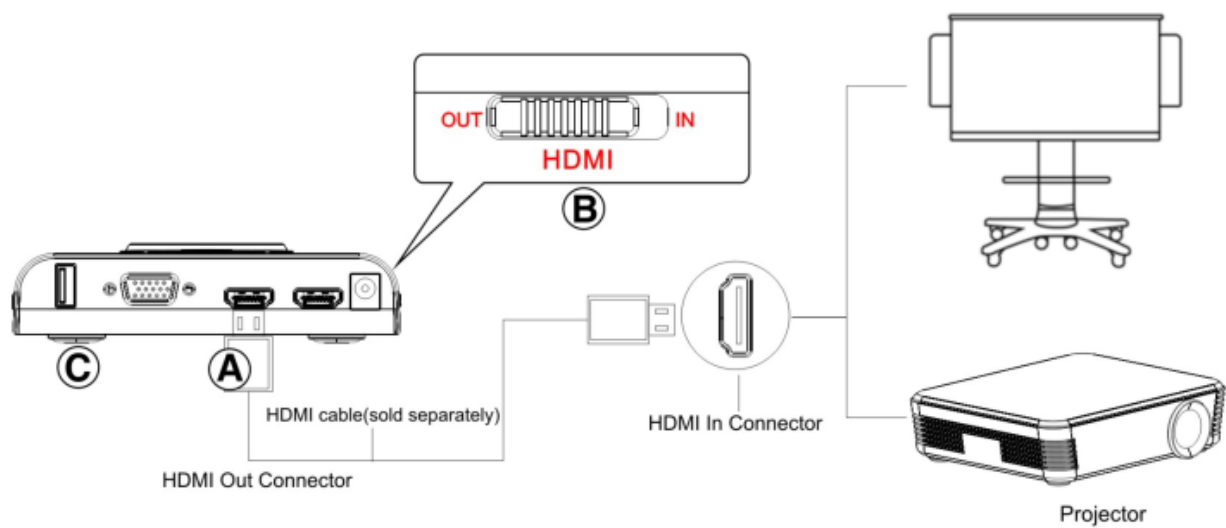
Projector

To connect your Nillo 100 unit with HDMI, simply insert an HDMI cable to the HDMI-Out Port (A) on your Nillo 100 and the monitor/projector you wish to use to display the image. Once the cable has been inserted, set the HDMI Switch (B) to "OUT" to activate communication between the devices. Your Nillo 100 device can also connect via USB (C) to a computer.

*Note: As the Nillo 100 runs comparable operating systems to computers and smart phones, preliminary boot-up may take several seconds to launch hardware/software.

Step 6: Hardware Connectivity(cont.)
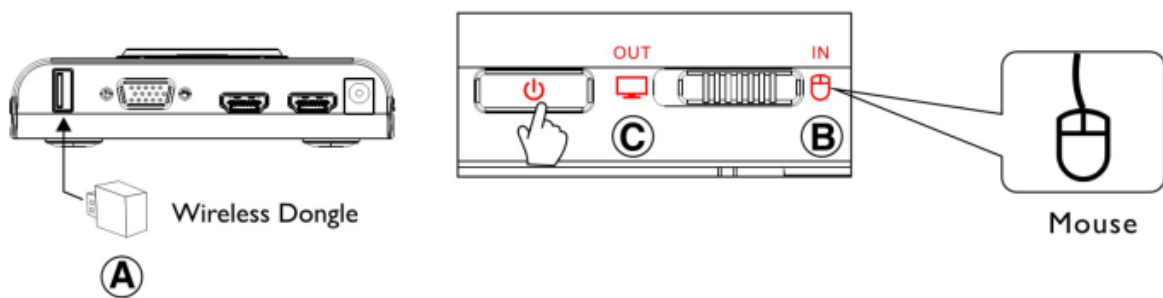
The Nillo 100 comes with a USB-connected mouse for manual function. Connect the USB mouse by inserting the mouse dongle into the USB port (A) and sliding the connectivity switch to the Mouse Icon (B). Sliding the switch to the Computer Icon (C) allows for output to the computer from your Nillo 100 device.

Step 7: Software Operation

Just as it has on the hardware, the Nillo 100 features camera operation software available after boot-up. Software features include:
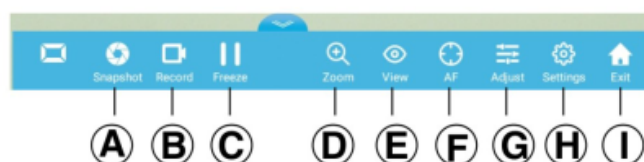
- **(A) Snapshot**: Captures current camera view
- **(B) Record**: Begins recording video and audio
- **(C) Freeze**: Locks current on-screen image in a static image
- **(D) Zoom In/Out**: Narrows or broadens field of view
- **(E) View**: Rotate or flip image
- **(F) Autofocus** : Focuses camera and locks focus to one focal point
- **(G) Adjust**: Adjusts image
- **(H) Settings**: Launches camera hardware settings
- **(I) Exit**: Closes software

Step 8: Wi-Fi Connectivity (cont.)
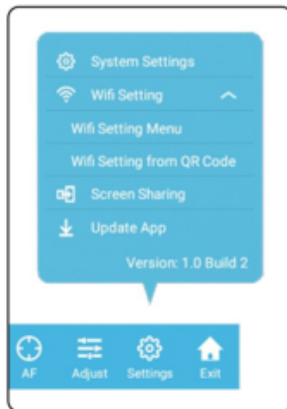
To connect your Nillo 100 device to wi-fi, open the Wi-Fi Settings Node (A), select the desired wireless network from the Network List (B), and enter necessary security information (WPA/WP2 passwords, etc.) Make sure your browser is also connected to the same local network. Once established, your Nillo 100 device will be internet-connected.

Step 9: Wi-Fi Connectivity (cont.)

You can connect to the unit via QR code (A). Scan a wi-fi QR Code (generated through apps such as "Wi-fi QR Code Generator" or "My Wi-fi QR").

Step 10: Wi-Fi Connectivity (cont.)
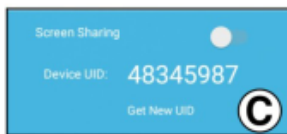
Your Nillo 100 device requires a wi-fi connection to connect to a computer. To connect wirelessly, under the Settings Icon (A), select the Screen Sharing option (B). A Device UID(C) will be displayed. Open an internet browser, go to http://dashtop.KnoteSter.com and enter the 8-digit UID to connect your Nillo 100 to the device running that browser. Your Nillo 100 unit is now connected and can be controlled with features such as zoom, snapshot, and screenshot.

Step 11: Screen Sharing & Wireless Control (cont.)
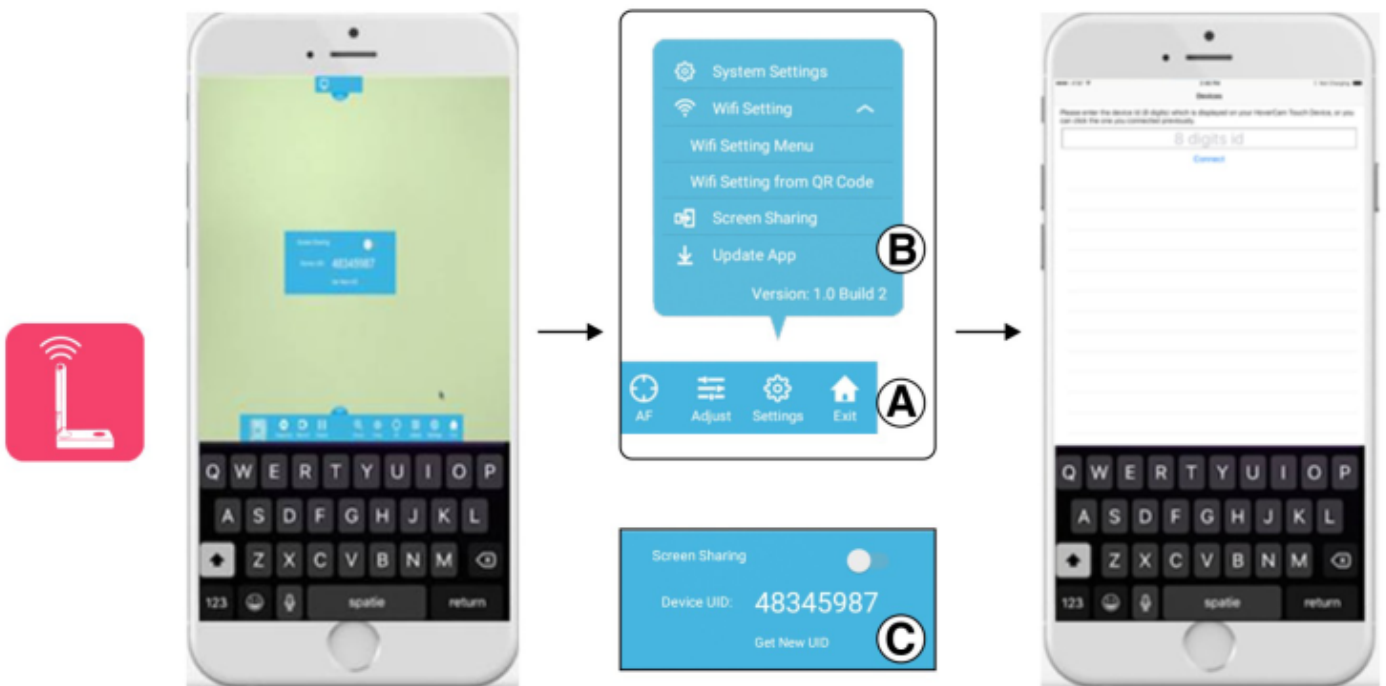
Your Nillo 100 device can also be controlled wirelessly by use of the HoverCam DashTop app (available in the Google Play or iTunes stores). Once the app is downloaded and launched, enter the same 8-digit code (C) (from the settings menu (B)) to connect to the device running the app.

Step 12: Bluetooth Connectivity

To connect your Nillo 100 device to Bluetooth, open Bluetooth Settings (A), select the desired from the List (A), Open Bluetooth Settings (B) on your device, select the desired from the List (B), your Nillo 100 device will be internet-connected.

Nillo 100

by **HoverCam**®

Thanks for joining the HoverCam Fam!

For additional questions, technical support, and troubleshooting please contact:

HoverCam Tech Support

support@TheHoverCam.com

(866) 201-2056

FCC Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

-Reorient or relocate the receiving antenna.

-Increase the separation between the equipment and receiver.

-Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.

-Consult the dealer or an experienced radio/TV technician for help.

To assure continued compliance, any changes or modifications not expressly approved by the party.

Responsible for compliance could void the user's authority to operate this equipment. (Example- use only shielded interface cables when connecting to computer or peripheral devices).

This equipment complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

(1) This device may not cause harmful interference, and

(2) This device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

The equipment complies with FCC Radiation exposure limits set forth for uncontrolled enviroment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

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