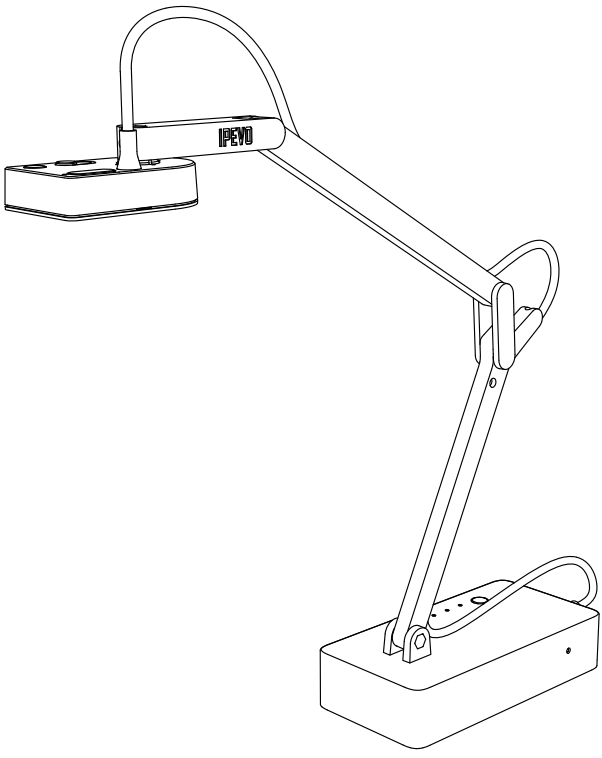
iZiggi HD

Wireless Document Camera

User Manual



IPEVO

www.ipevo.com

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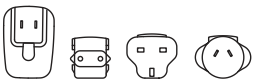
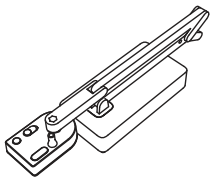
Carry case



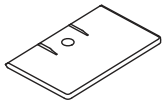
Power adapter

*Power adapter plug may vary depending on region.



iZiggi-HD
Wireless Document Camera

1.8m Micro-USB charging cable



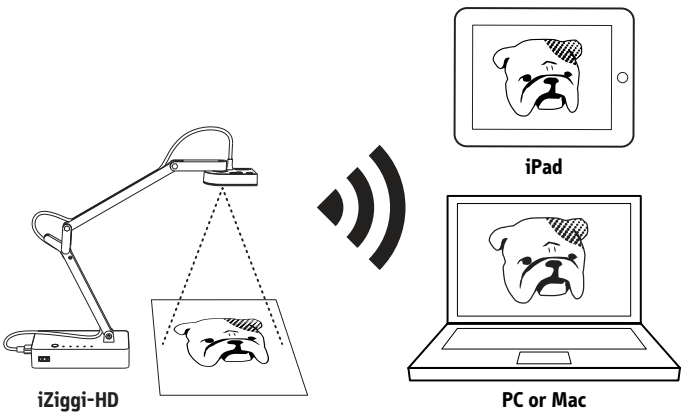
Anti-glare shield

1.2m USB extension cable

User Manual

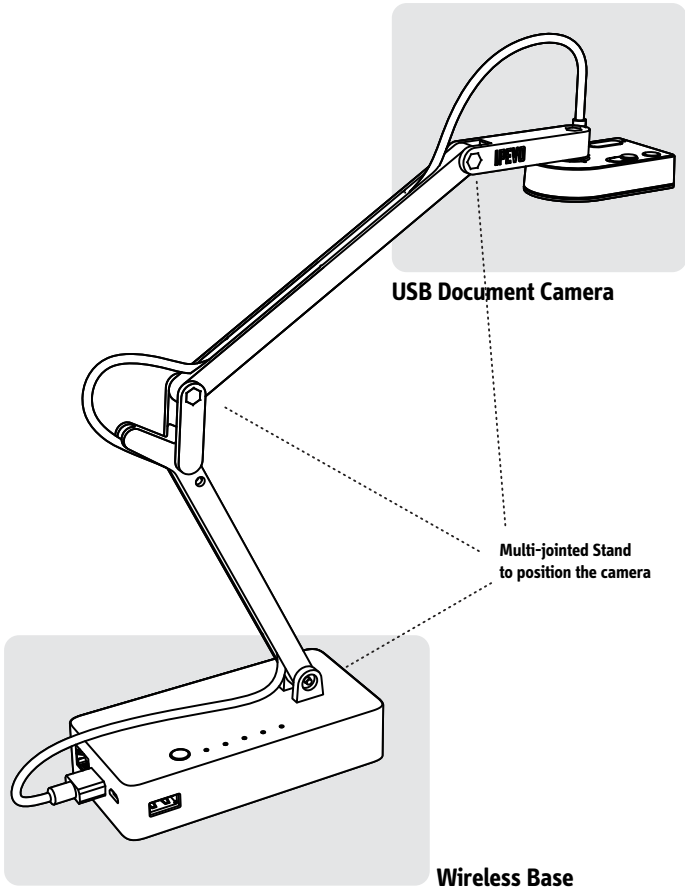
Basics

The iZiggi-HD Wireless Document Camera captures live images with wireless convenience so you can do even more in the classroom or at the office:



- A wireless document camera for iPad.
- Stream documents, pictures, devices and 3D objects from iZiggi-HD to PC or Mac via Wi-Fi. A wireless document camera that no longer tied up to your PC or Mac.*
- Annotate and emphasize teaching material on iPad by drawing directly on the live feed with the free IPEVO Presenter (for iPad) or IPEVO Whiteboard.
- Take advantage of iZiggi-HD's dual USB ports. Stream live images from the doc cam while sharing access to files on any connected USB storage device.

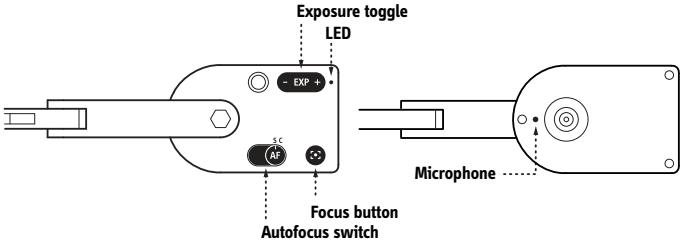
**Please note:*
In order to generate smooth live feed from iZiggi-HD, please preserve sufficient bandwidth and system resource for iZiggi-HD. We recommend that iZiggi-HD be used with only one device at a time. Connecting multiple devices may overload the bandwidth and system, causing the live image to lag or freeze.



iZiggi-HD is made of two parts - USB Document Camera and Wireless Base. iZiggi-HD captures a variety of subjects, including standard letter-sized documents, devices like smartphones and iPad. Captured high-definition live video image is then streamed on to IPEVO Presenter (for iPad) or the IPEVO Whiteboard via Wi-Fi connection.

A. USB Document Camera

Camera Elements

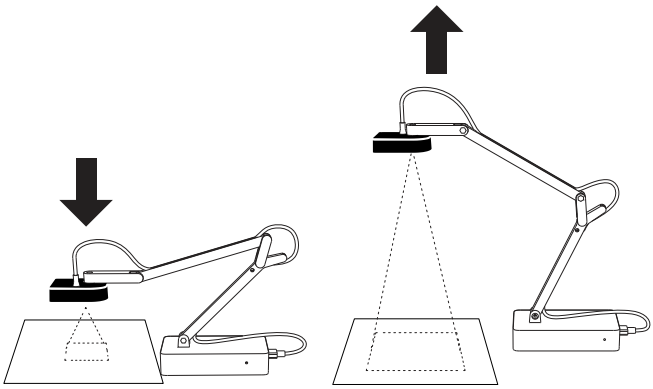


- **Focus button:** Will bring the subject into sharp focus after a few seconds.
- **Autofocus switch:** May be set to Single (S) or Continuous (C).
- **Exposure toggle:** Provides on-the-fly exposure customization.
- **LED:** If iZiggi-HD is on and providing an image, this LED will turn white.
- **Microphone:** iZiggi-HD comes with a built-in microphone which is located on the underside of the camera body next to the lens. The microphone is on when iZiggi-HD is on. This is useful for video conferencing and more.

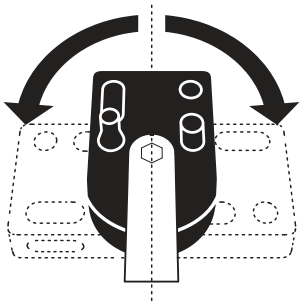
Note:
iZiggi-HD's built-in microphone is only functional when connected to computer via USB. When using iZiggi-HD wirelessly, only video is transmitted, but not audio.

Positioning the iZiggi-HD

The multi-jointed, weighted stand allows you to quickly and easily change the height and position of the camera to suit your subject.



Additionally, the camera head can swivel with 270° of freedom to customize your orientation.

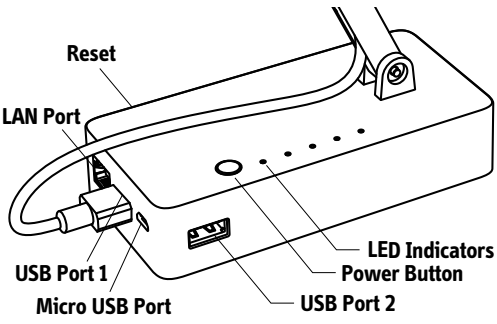


B. Wireless Base

- **LED indicators:** Lights indicate various states pertaining to battery power, attached USB devices, and Internet connection. For more information, see Page 12.
- **Power button:** Press once to turn on iZiggi-HD. Another press will power off the device.
- **USB ports:** Two USB ports for the iZiggi-HD camera and for a USB storage drive, if desired.

  Note: Connecting two USB storage drives is supported, but not two IPEVO USB Document Cameras.
- **LAN port:** Plug in an Ethernet cable (not included) to connect to your existing Internet network.

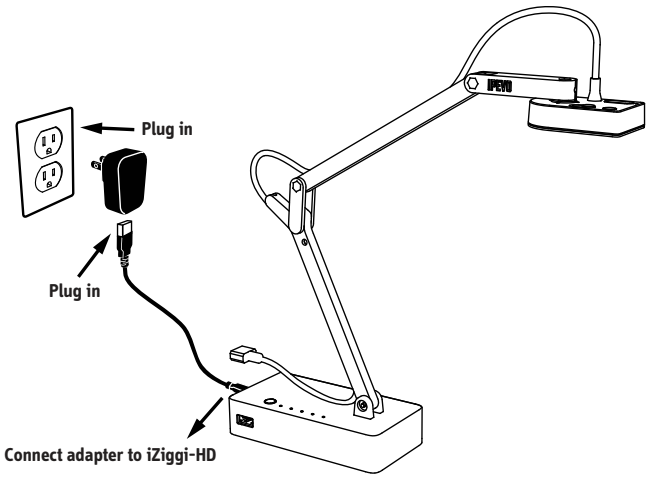
  Note: When connecting in this manner, please set iZiggi-HD's wireless connection to "Off (Ethernet Cable)" in the "Internet Connection" setting. See Page 10.
- **Reset button:** Press with a pin or paper clip to reset the device, including SSID and password.
- **Micro USB port:** Connect the Micro-USB cable to power iZiggi-HD and to charge the battery.



A. Charge iZiggi-HD

Please charge iZiggi-HD and make sure sufficient battery power is available before using the camera or performing other setup steps.

1. Connect the Micro-USB cable to the power adapter and plug the power adapter into an outlet. Connect the other end of the Micro-USB cable to the Micro-USB port on iZiggi-HD.
2. When iZiggi-HD is charging, the “PWR” LED will turn red. This light will go off once iZiggi-HD is fully charged by performing step 1. Note that iZiggi-HD is ready for use when power adapter is connected, regardless of the battery power status.



Battery Tips:

- It takes approximately 3 hours to fully recharge iZiggi-HD on an empty battery. This assumes iZiggi-HD is powered off during recharge.
- It will take significantly longer to fully recharge if iZiggi-HD is in use while charging.
- iZiggi-HD can be used on battery power for about 3 hours when fully charged.
- When the "PWR" LED blinks orange, iZiggi-HD is low on battery and needs to be charged.
- iZiggi-HD can also be charged using a standard USB port on your computer. Please note that it will take significantly longer to charge via this method, since a USB port provides less power output.

B. Download and install apps/software

With free IPEVO apps and software, iZiggi-HD can be used on iPad, Mac or PC. Please find the download location for your desired platform below:

iPad

IPEVO Presenter (for iPad) / IPEVO Whiteboard

Available on the App Store

Search for “IPEVO Presenter”/“IPEVO Whiteboard” in the App store to download and install them for free.

Mac or PC

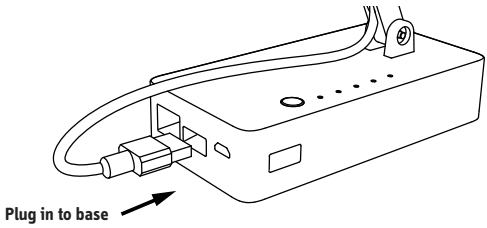
IPEVO Presenter

Download and install from www.ipevo.com/presenter

IPEVO Presenter can be downloaded at: www.ipevo.com/presenter

C. Turn on iZiggi-HD and connect the doc cam's USB cable

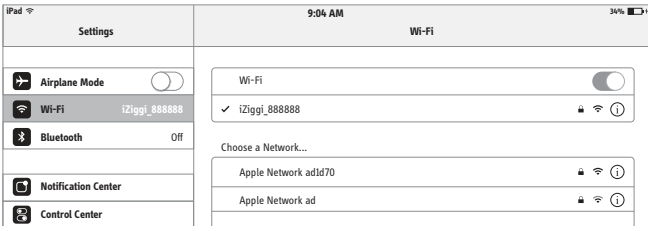
1. Press the power button to turn on iZiggi-HD. The "PWR" LED should be green. If it is blinking orange or red, see section A on Page 4. The "WIFI" LED should blink orange and then turn green as well.
2. Connect the iZiggi-HD camera's USB cable to the USB port on the base.

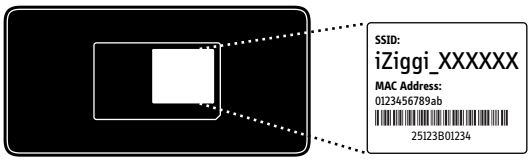


D. Pair iZiggi-HD via Wi-Fi and start streaming

iPad (for Mac or PC, see Page 6)

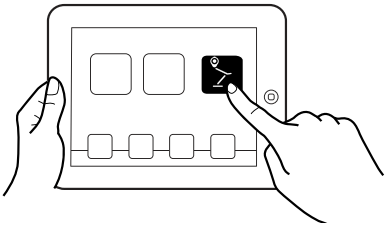
1. Tap "Settings" on your iPad and select "Wi-Fi." Browse the available connections and connect to iZiggi-HD's SSID. The unique SSID can be found on the label located on the bottom of the device.



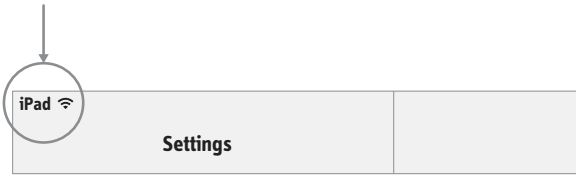


Bottom of iZiggi-HD

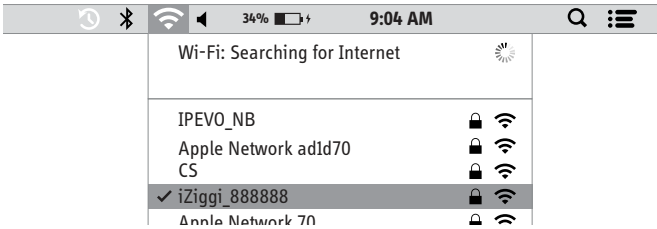
2. Launch IPEVO Presenter (for ipad) or IPEVO Whiteboard. Follow the on-screen guide that appears to access iZiggi-HD's features. These features are also explained under the next section"Using iZiggi-HD with IPEVO Apps/Software".



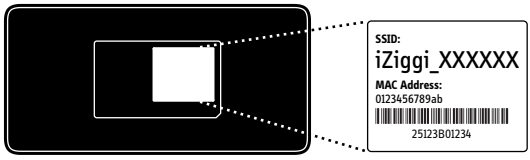
Caution:
On first time connection, it will take about 1 minute to link iPad and iZiggi-HD. Please make sure the appears on the top left corner of iPad before launching IPEVO Presenter (for iPad) or IPEVO Whiteboard.



Mac or PC (for iPad, see Page 5)



1. Ensure IPEVO Presenter is installed. See Section B, Page 4.
2. Browse your available wireless networks and connect to iZiggi-HD's SSID. The unique SSID can be found on the label located on the bottom of the device.



Bottom of iZiggi-HD

3. Launch IPEVO Presenter and start using iZiggi-HD. For more function and settings of IPEVO Presenter, please refer to the following section.

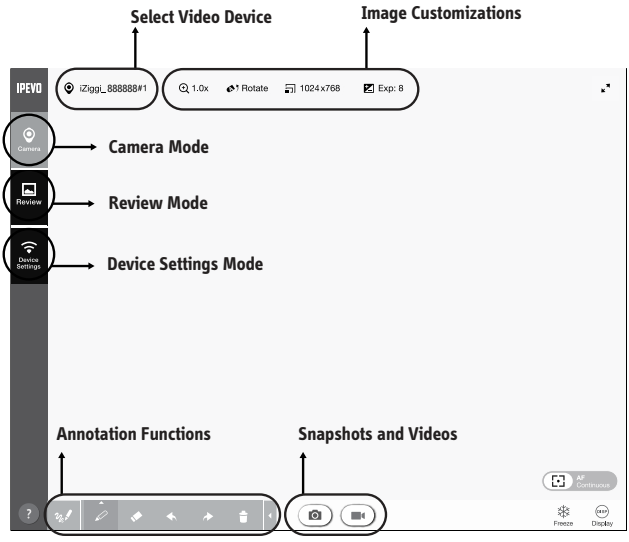
Using iZiggi-HD with IPEVO Apps/Software

A. iPad: Using iZiggi-HD with IPEVO Presenter (for iPad)

IPEVO Presenter (for iPad) allows your iPad to be connected to the external wireless iZiggi-HD document camera for capturing and presenting teaching and business material in real time. You can also customize live view, or add drawings and annotations onto the live view.

Follow these steps to connect IPEVO Presenter (for iPad) and iZiggi-HD:

1. Connect your iPad to iZiggi-HD's SSID. Refer to Section D on page 5.
2. Launch IPEVO Presenter (for iPad).
3. Tap on the "Select Video Device" menu and choose iZiggi-HD as the device. Live view will appear on your iPad.



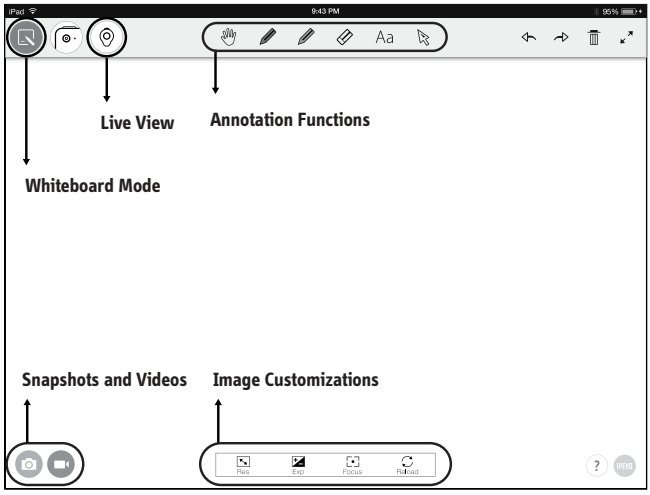
- **Camera Mode:** View the live view from your document camera. Tap on the "Select Video Device" menu to choose your preferred device from the list of devices available.
- **Review Mode:** Allows you to easily view and manage captured snapshots or videos.
- **Device Settings Mode:** Allows you to manage Wi-Fi connection, enable Wireless Disk function and adjust other advanced settings of iZiggi-HD.
- **Image Customizations:** Choose from a range of functions available to customize the live view, including Zoom, Rotate, Focus, Resolution and Exposure adjustments, and more.
- **Annotation Functions:** You can draw and annotate directly onto the live view or images/videos captured using the Pen tool.
- **Snapshots and Videos:** Take snapshots and record videos, voiceover/audio and any annotation you create.

B. iPad: Using iZiggi-HD with IPEVO Whiteboard

While the IPEVO Presenter (for iPad) focuses more on live view controls than annotation functions, the IPEVO Whiteboard is quite the contrary. For those who are looking for more annotation functions, or wish to annotate onto blank "whiteboards", you can choose to download the IPEVO Whiteboard app instead.

Follow these steps to connect IPEVO Whiteboard app and iZiggi-HD:

1. Connect your iPad to iZiggi-HD's SSID. Refer to Section D on page 5.
2. Launch IPEVO Whiteboard.
3. Tap on the "Live View" icon and the live view coming from the iZiggi-HD will appear on your iPad.



- **Live View:** Tap the "Live View" icon to select and view the live view from your connected iZiggi-HD, and to access its settings.
- **Whiteboard Mode:** Turn your iPad into blank "whiteboard" for drawing or annotating.
- **Annotation Functions:** Draw and annotate directly onto the live view using the pen brush function. You can choose from a variety of sizes and colors. You can also add texts onto the live view.
- **Image Customizations:** Choose from a range of functions available to customize the live view, including Resolution, Exposure and Focus.
- **Snapshots and Videos:** Take snapshots and record videos, voiceover/audio and any annotation you create.

With IPEVO Whiteboard, you can save your drawings and annotations to an external USB storage connected to the iZiggi-HD's USB port, or import images from the USB storage for presentation.

Follow these steps to save images to USB storage:

1. Tap the "Snapshot" icon to capture the image.
2. Select "iZiggi_XXXXXX" under "Send To External Storage".
3. "Upload completed" will pop up once the image is successfully saved.

To import images from the USB storage, follow these steps:

1. Tap the "Whiteboard Mode" icon.
2. In the Whiteboard Mode, tap on the "Add a new board" icon.
3. Select "Image from iZiggi_XXXXXX" in the pop up menu.
4. Choose the file that you wish to import, and select "Add to a new board".

C. Mac and PC: Using iZiggi-HD with IPEVO Presenter (for Mac or PC)

iZiggi-HD can also be viewed on Mac or PC using IPEVO Presenter (for Mac or PC). Please download and launch IPEVO Presenter, and follow these steps to switch to iZiggi-HD's live view:

On both Mac and PC

1. Launch IPEVO Presenter.
2. Select your iZiggi-HD as the device under the "Select Video Device" menu.

Please note:
When connecting iZiggi-HD to your computer via USB mode, please do not repeatedly plug and unplug it when viewing the live view as this may cause the iZiggi-HD to suffer a system error.

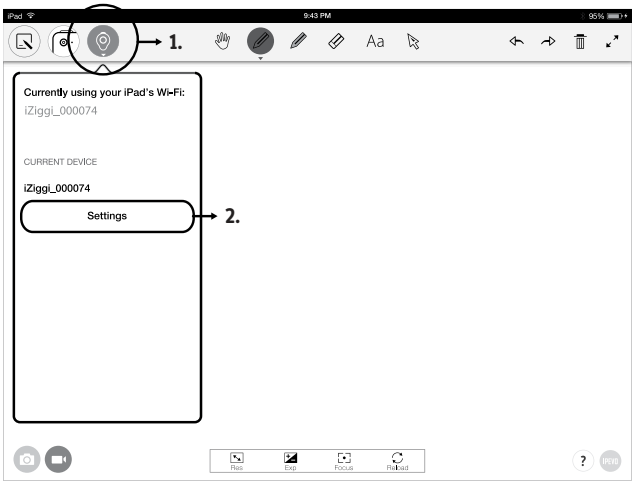
Accessing iZiggi-HD's Settings

Visiting the Settings page will allow you to view live view using your browser, connect iZiggi-HD to the Internet, manage connected USB storage devices, customizing login information, setup password protection, and change advanced Internet settings. To do so, ensure your device is connected to iZiggi-HD, then perform the following steps. More details about settings options can be found on Pages 10 through 12.

On iPad

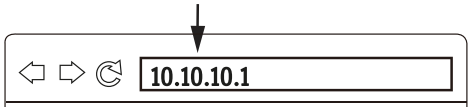
Launch IPEVO Presenter (for iPad). Select "Device Settings" icon to enter the Settings page for iZiggi-HD.

Or launch IPEVO Whiteboard. Double-tap the "Live View" icon. Select "Settings" in the extended menu that appears.

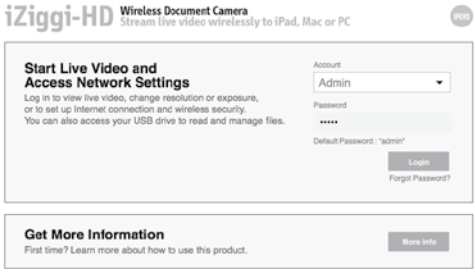


On Mac or PC

1. Launch your browser and connect to the IP address of iZiggi-HD by typing it into the address bar. The default for this IP address is 10.10.10.1.



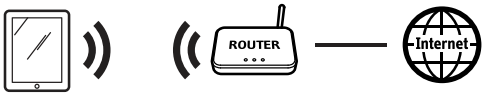
2. Enter the login password, which by default is "admin".



Connecting to the Internet with iZiggi-HD

Because your device (iPad, Mac or PC) connects to iZiggi-HD via Wi-Fi, you are disconnected from the Internet when using iZiggi-HD. However, you can regain your Internet connection by connecting iZiggi-HD to your existing Wi-Fi network. Once iZiggi-HD is connected to the Internet, your device (connected to iZiggi-HD) is also linked to the Internet.

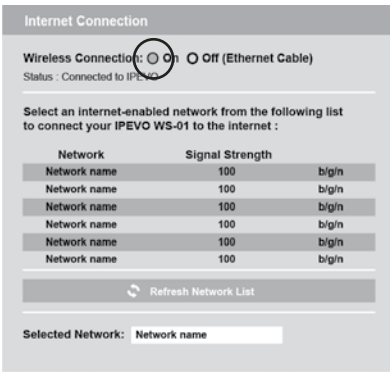
Generally, your device (iPad/computer) can access the Internet via your Wi-Fi router.



With IPEVO iZiggi-HD, you can view its live view from your device in real time. Plus, you can also connect to the Internet by linking iZiggi-HD to the Wi-Fi network you already use.

Follow these simple steps to do so.

1. Please make sure your device is connected to iZiggi-HD. To connect to iZiggi-HD, please follow the steps starting on Page 5.
2. Tap the “Internet Connection” tab on the iZiggi-HD’s Settings page (see Page 9 for accessing iZiggi-HD’s settings).
3. Under “Wireless Connection,” select “On.” [If a wired connection is preferred, select “Off (Ethernet Cable)” and plug an Ethernet cable (not included) into the LAN port.]



4. A list of available Wi-Fi networks will appear. Select your network.
5. Enter the password for your network and click OK. The password is case sensitive.
6. A pop up window will appear. Please click “Restart” to restart iZiggi-HD and complete the process, or click “Later” to manually restart iZiggi-HD later. iZiggi-HD will connect to your network within 100 seconds. Your device is now connected to the Internet through iZiggi-HD.

Please note:
If you are not returned to the iZiggi-HD’s Settings page after the 100 second count-down, please reconnect your device to iZiggi-HD by going to Settings > Wi-Fi > iZiggi_xxxxxx (with “xxxxxx” being the unique SSID).

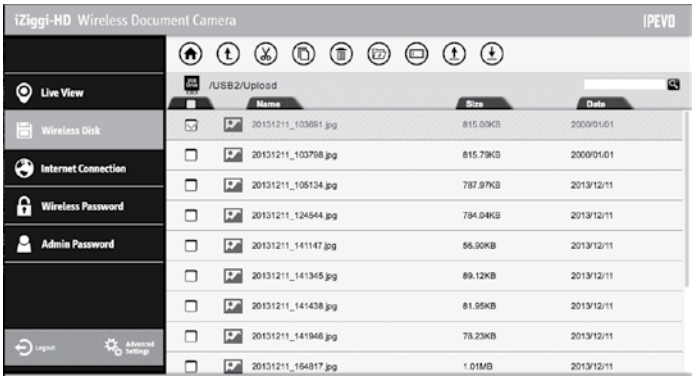
iZiggi-HD is unable to determine if your password is correct or if you have success-fully connected to your network. If you are unable to access the Internet after restart, please check if the password is entered correctly and try again. The password is case sensitive.

iZiggi-HD only supports a Wi-Fi network at 2.4GHz. 5GHz Wi-Fi is not supported.

Using iZiggi-HD for Data Sharing

iZiggi-HD's two USB ports allow you to connect, and to view and share videos, music, photo and other files on an external USB storage drive via your browser.

To take advantage of this feature, simply connect a USB storage drive to either USB port on iZiggi-HD's base. The corresponding USB LED will light up once properly connected. Launch your Internet browser and access the Settings Page of iZiggi-HD. Please refer to Page 9 for accessing the Settings Page. On Settings Page, click Wireless Disk to access and manage the USB storage drive's files.



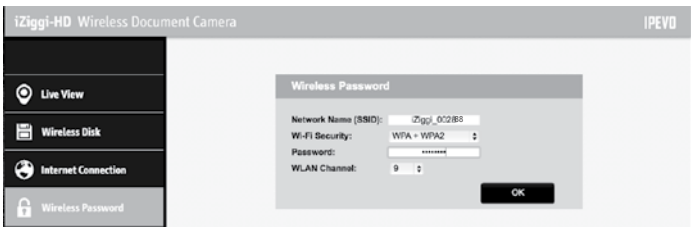
Note:
1. To avoid data corruption, please power off iZiggi-HD before removing any connected USB storage drives.
2. Please preserve sufficient bandwidth and system resource for iZiggi-HD to run Wireless Disk smoothly. It may be required to unplug the USB camera from the base prior to multiple simultaneous accesses of Wireless Disk. Failing to preserve sufficient bandwidth or resource may result in data upload or download error.

Setting Up Password Protection for Live View and WiFi

By default, iZiggi-HD's live view and Wireless Disk are not password protected. Any device connected to iZiggi-HD's network can access live view and files in Wireless Disk.

To prevent unwanted access of your live view and any storage drive files, secure your iZiggi-HD's Wi-Fi network by adding a password using the Wireless Password function.

1. To set a wireless password, access the iZiggi-HD's Settings page (see Page 9).
2. Select Wireless Password. The iZiggi-HD network name (SSID) and network password can be changed here. Select OK when done.

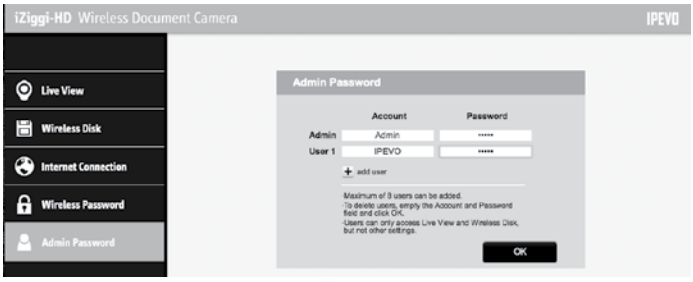


Customizing Login Information

You can set a new password for accessing the Settings page. You can also add an additional 8 guest users to iZiggi-HD. Guest users will have access to connected USB storage drives (if any) and live view, but will not have access to Internet Connection, Admin Password, Wireless Password, or Advanced Settings.

1. To set your Admin Password, access the iZiggi-HD's Settings page (see Page 9).
2. Select Admin Password. The Admin account name cannot be changed, but the password can be changed and guest names and passwords can be added and deleted.

Note: To delete guest users, empty the Account and Password fields for that user and click OK.



Understanding the LED Indicators

iZiggi-HD has 5 LED indicators on the top of its base. Different colors (solid and blinking) indicate various states.

1. PWR – Power and battery level

   Green: iZiggi-HD is powered on and the battery is charged. A green light also tells you that charging is complete.

   Orange: iZiggi-HD is powered on and the battery is charging.

   Blinking Orange: iZiggi-HD is powered on but the battery is running low. You should connect the power adapter immediately.

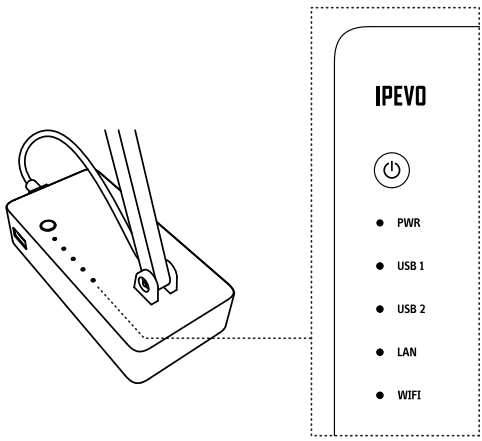
   Red: iZiggi-HD is powered off and charging.
2. USB 1 and USB 2 – Corresponds to the two USB ports on iZiggi-HD's base. If a USB device is connected, such as iZiggi-HD's camera or a storage drive, the corresponding LED will turn green. Once the device is removed, the LED will turn off.
3. LAN – Indicates an Ethernet cable (wired) connection. The LAN LED turns green when an Ethernet cable is connected and turns off once the cable is removed.
4. WIFI – Indicates current Wi-Fi (wireless) status

   Orange to Green: The system is starting up. Please allow time for the connection to resolve.

   Blinking Orange: The system is shutting down.

   Green: Wi-Fi is ready.

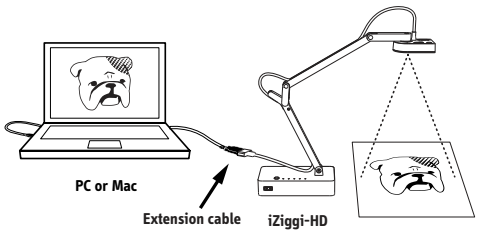
   Blinking Green: Wi-Fi data is transferring.



Using iZiggi-HD Directly on Your Computer

In addition to connecting iZiggi-HD's camera to its base for Wi-Fi applications, you can also connect the camera directly to your computer's USB port. The live image can be viewed and presented with IPEVO Presenter software (for Mac or PC) in this way.

1. You can connect iZiggi-HD camera's USB cord directly to your computer to use it as an USB camera. Included extension cable provides extra length if needed.
2. Launch IPEVO Presenter. A screen containing a live video image from your iZiggi-HD should appear. The iZiggi-HD is now ready for use.

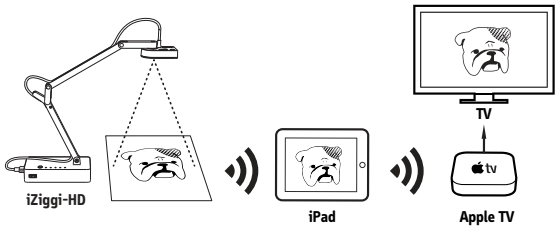


Using Apple TV Airplay

You can use iPad and Apple TV Airplay to wirelessly project live action (real-time video and annotation) from IPEVO Presenter (for iPad) or IPEVO Whiteboard onto the big screen.

Follow these steps to project live action from iZiggi-HD using Apple TV Airplay:

1. Connect your Apple TV device to iZiggi-HD. Navigate to Settings > Wi-Fi.
2. A list of available wireless networks will appear. Select iZiggi-HD's network and enter the password if required.



3. Turn on the Airplay mode in Apple TV.
4. Swipe up from the bottom of your screen to access Control Center. Tap AirPlay.
   Note: Airplay is only available when both iPad and Apple TV are connected to iZiggi-HD.
5. Turn on the Mirror switch to enable Mirror mode.
6. Launch IPEVO Presenter (for iPad) or IPEVO Whiteboard on your iPad. Now Apple TV, iZiggi-HD, and your iPad are communicating. Changes you make in IPEVO Presenter (for iPad) or IPEVO Whiteboard will be reflected on Apple TV and its screen.

- **What can I do if I forgot my SSID or admin password?**
  You can reset the SSID and password by resetting iZiggi-HD to its default settings. To do so, press the reset button with a pin or paper clip. The "WIFI" LED will blink orange, indicating iZiggi-HD is resetting. Reset is complete once the "WIFI" LED turns green. You can then connect and log in to iZiggi-HD using the default information. The default SSID and password can be found on the label at the bottom of iZiggi-HD.

- **Can I view iZiggi-HD over Wi-Fi with multiple devices?**
  Due to bandwidth and system limitations, we recommend using only one device at a time to display iZiggi-HD's live view. Using 2 or more devices displaying iZiggi-HD's live view may result in laggy or frozen video due to insufficient bandwidth or system resources.

- **I am looking for more advanced Internet settings. Where can I find that on iZiggi-HD?**
  Access the iZiggi-HD's Settings page (refer to Page 9). You can find the Advanced Settings in the lower left-hand corner. These settings include additional Internet settings for iZiggi-HD.

- **I need to use static IP for all devices on my network. What do I do?**
  Follow the steps on Page 9 to access your iZiggi-HD's settings. Select "Advanced Settings." From there, go to Wired Network Setting > Mode > Fixed IP Address.
  Enter the IP Address, Subnet Mask, Default Gateway and other settings in their respective fields, and click OK.

- **How long does it take to fully charge iZiggi-HD? How long can I use iZiggi-HD if it is not fully charged?**
  If iZiggi-HD's battery is depleted, it takes about 3 hours to fully recharge iZiggi-HD. For the battery life of iZiggi-HD under different states, please refer to the chart below.

Charging Time	Usage Time Remaining
1hr	1hr
2hr	2hr

- **Can I watch live view of iZiggi-HD through an Internet browser?**
  Yes, you can. But different browsers process the live view of iZiggi-HD differently and may result in various compatibility issues. It is recommended to use live view on IPEVO Presenter (app/software) or IPEVO Whiteboard for the best live view experience.

- **Can I connect two USB document cameras to iZiggi-HD base and use them both at the same time?**
  No, iZiggi-HD can only be connected to one USB document camera at a time. Connecting both USB ports to two USB cameras will cause system error, nor would live view work.

Troubleshooting

- **I am not able to see a live image from iZiggi-HD on IPEVO Presenter (for iPad) or IPEVO Whiteboard.**
  - Make sure the camera is connected to the USB port of iZiggi-HD's base.
  - Make sure your device is connected to iZiggi-HD via Wi-Fi. Follow the steps starting on Page 5.
  - Shut down the device and restart.
  - Unplug the camera and then reconnect its USB cable to the base.
  - Please check if the Wi-Fi icon appears on the top left corner of iPad. When it does, exit and re-launch IPEVO Presenter (for iPad) or IPEVO Whiteboard.

- **I cannot connect to iZiggi-HD.**
  - Use a pin or paper clip to press the Reset button on iZiggi-HD to reset the device. Try connecting again after the reset.
  - If a reset does not resolve the problem, please contact IPEVO customer service.

- **I am unable to connect iZiggi-HD to my existing network.**
  - Please ensure the password you had entered is the correct one.
  - Contact your Internet administrator for assistance.

- **iZiggi-HD cannot find my Wi-Fi network.**
  - Go to the Internet Connection page (see Page 10) and click the "Refresh Network List" button. See if your network name appears.
  - Shut down the device and restart. Search for your network after restarting.
  - Make sure your Wi-Fi router is set to 2.4GHz. iZiggi-HD does not support Wi-Fi on 5GHz.

- **The live view of iZiggi-HD is unstable, laggy, or choppy.**
  - Make sure your device is within the effective range of iZiggi-HD. Your device should stay within 10m (33ft) of iZiggi-HD.
  - Check to see if multiple devices are viewing iZiggi-HD. If so, please have only one device viewing it. Or, consider lowering the resolution setting.
  - Restart iZiggi-HD and check the live view again.

- **iZiggi-HD does not turn off.**
  - Please press and hold the power button for 5 seconds to force a shutdown of iZiggi-HD.

Federal Communication Commission Interference 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 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.

FCC Caution
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).

FCC Radiation Exposure Statement
This equipment complies with FCC RF radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20 centimeters between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

The antennas used for this transmitter must be installed to provide a separation distance of at least 20 cm from all persons and must not be co-located or operating in conjunction with any other antenna or transmitter.

Model: iZiggi-HD/FCC ID: WKP-CDVW-01IP
This device 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.

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