

Quick Start Guide

VZ-X Wireless, HDMI & USB Document Camera

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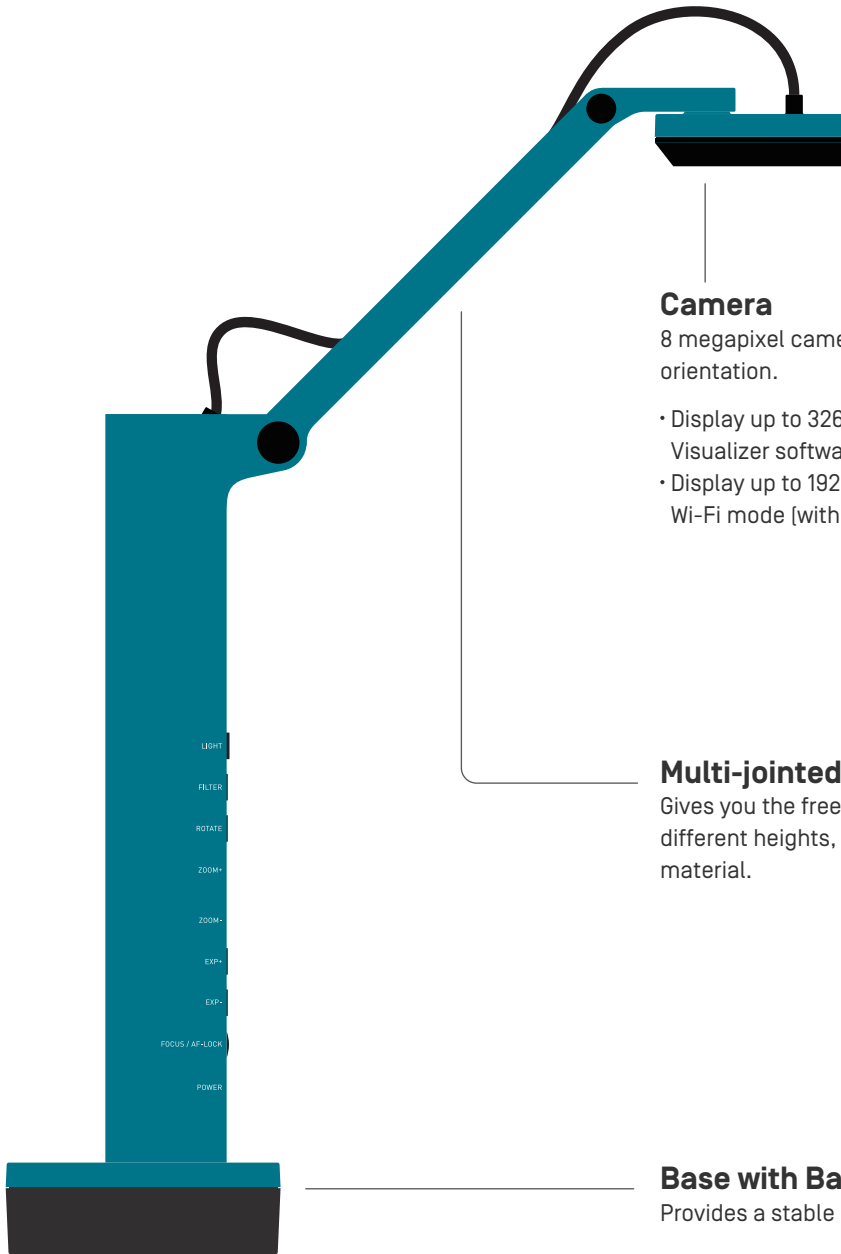
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The Basics

VZ-X Wireless, HDMI & USB Document Camera features three connection modes — Wi-Fi, HDMI and USB — that let you capture and stream real-time images to your computer, iOS/Android devices, TV, projector or monitor in the setup that best suits your needs.

Getting to Know Your VZ-X



Camera

8 megapixel camera. Camera head can be swiveled for customizing orientation.

- Display up to 3264 x 2448 when used in USB mode with IPEVO Visualizer software.
- Display up to 1920 x 1080 when used in standalone HDMI mode or Wi-Fi mode (with IPEVO Visualizer software).

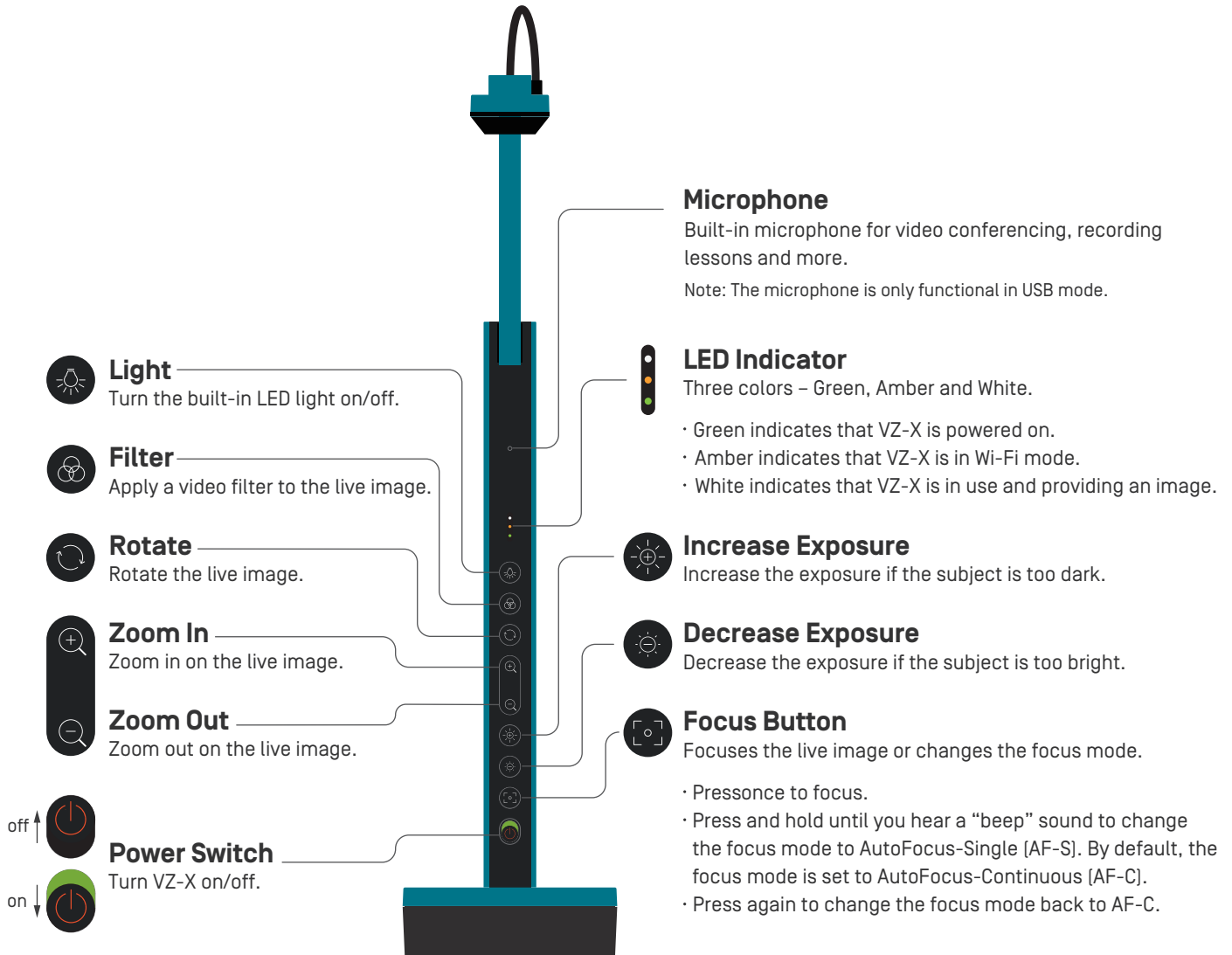
Multi-jointed Stand

Gives you the freedom to quickly and easily position the camera at different heights, angles, and various orientations for capturing material.

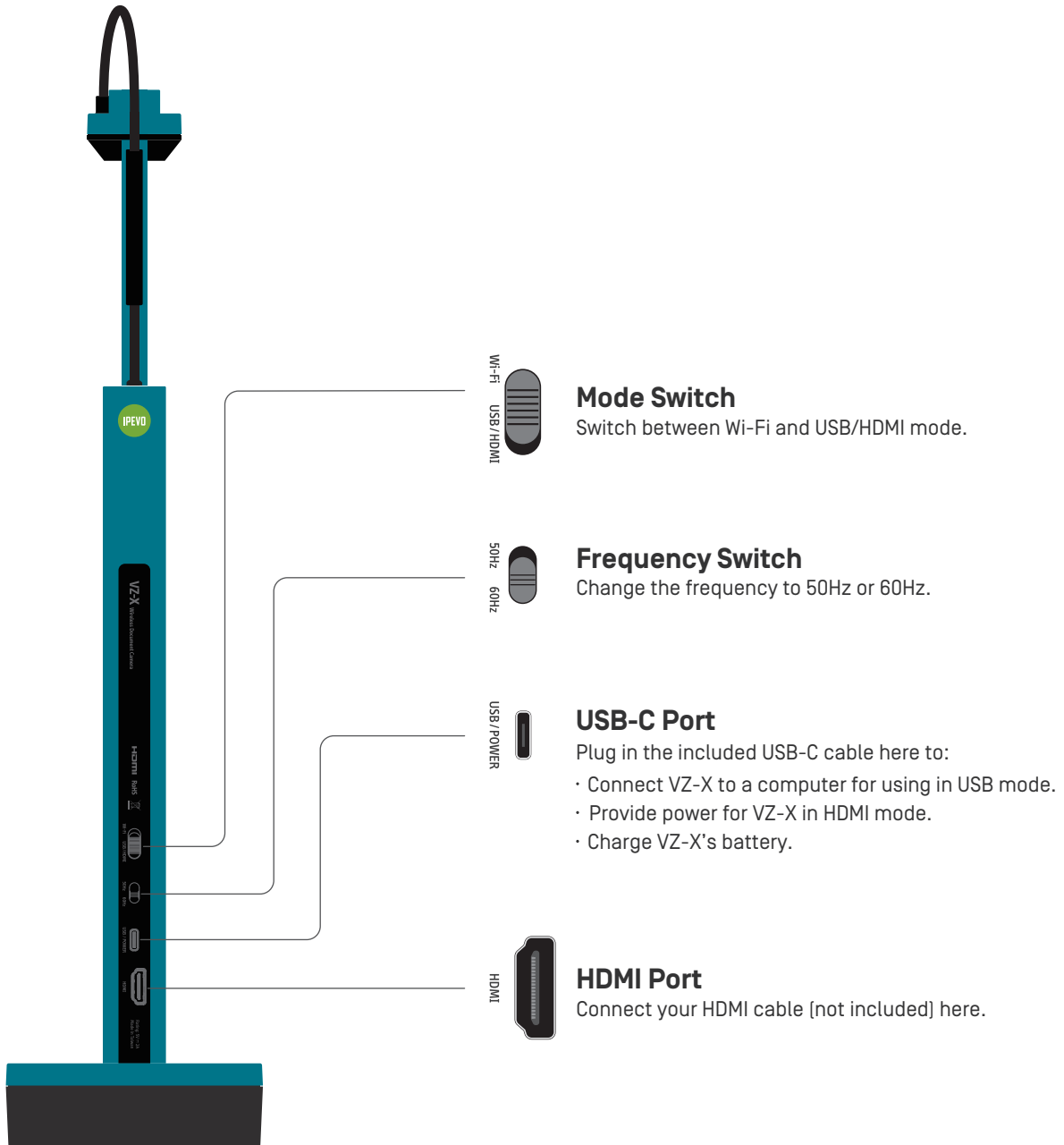
Base with Battery

Provides a stable base for VZ-X and houses the battery.

Getting to Know Your VZ-X



Getting to Know Your VZ-X



Getting to Know Your VZ-X

- **Battery Status Indicators**
- Indicate the battery level or charging status.
- All five indicators will light up Green when VZ-X is on a full charge or has been fully recharged.
-
-

● **Battery Check Button**
You can check VZ-X's battery level by pressing this.

● **Action Button**
Perform the primary function of the respective function mode that is available in IPEVO Visualizer.

Note: The Action Button is functional in both Wi-Fi and USB modes.

Only in Wi-Fi mode

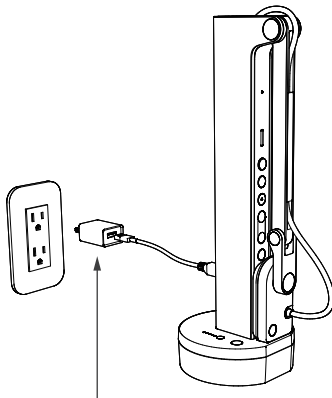
Press and hold for 5 to 10 seconds to pair with EZ-Cast.

*Detail please see section "Connecting Wirelessly to Your Devices - B. Using with an EZ-CAST."



Charging VZ-X

Please charge VZ-X before using to make sure you have sufficient battery power for your session. The steps for charging VZ-X are as below :



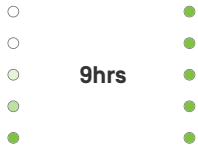
5V/2A USB power adapter
(not included)

1

Connect the included USB-C cable to the USB-C port of VZ-X. Next, connect the other end of the cable to a 5V/2A USB power adapter (not included). Then, plug the adapter to an outlet for charging.

Note:

- [1] Charging VZ-X via a USB port of a computer is possible, but takes longer than charging via a power adapter.
- [2] You may use VZ-X when it is plugged into a power outlet regardless of its remaining battery power.



2

When VZ-X is charging, its Battery Status Indicators will flash Green indicating that it is receiving a charge. All of its indicators will light up Green when VZ-X is fully recharged.

Note:

- [1] It takes approximately 9 hours to fully recharge VZ-X on an empty battery assuming that it is powered off during recharging. It will take significantly longer to fully recharge if it is in use.
- [2] VZ-X's battery can last for at least 9 hours on a full charge.

Connecting Wirelessly to Your Devices

VZ-X can be used wirelessly with your iOS/Android devices (iPad & iPhone/Android Tablet & Android Phone), Mac or PC. You may want to check VZ-X's remaining battery power by pressing the Battery Check Button before you start using it.

To use it wirelessly with your device, there are two ways available.

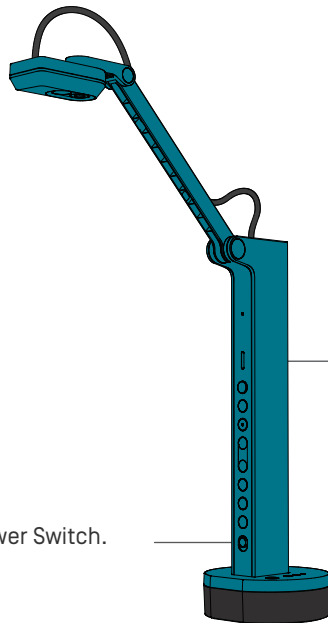
- A. Using VZ-X's unique SSID
- B. Using with an EZCAST

A. Using VZ-X's unique SSID



1

Turn VZ-X on using the Power Switch.

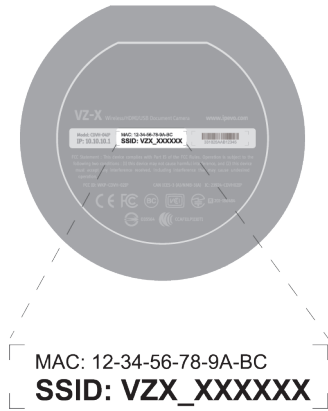


2

Check the LED Indicator and make sure the Green and Amber lights are on.

If the Amber light is not on, please switch VZ-X to its Wi-Fi mode using the Mode Switch located on its back.

Connecting Wirelessly to Your Devices



3

Turn on your device's Wi-Fi. Browse the available Wi-Fi connections and connect to VZ-X's SSID. The SSID can be found on the label located on the bottom of VZ-X.

4

Launch **IPEVO EyeStage**, **Visualizer** or **WHITEBOARD** and choose VZ-X as your camera device. A live image from VZ-X should appear on your device. VZ-X is now ready for use. For more information on the features offered by **IPEVO EyeStage**, **IPEVO Visualizer** and **IPEVO WHITEBOARD**, please visit <https://www.ipevo.com/software>

Note:

[1] VZ-X only supports 2.4GHz Wi-Fi network and not 5GHz.

[2] The effective range of VZ-X's wireless connection is 33ft (10m). However, the actual effective range may be affected by environmental factors such as obstacles or other wireless signals. Please adjust the placement accordingly to get the best streaming effect.

[3] The actual image transmission rate of VZ-X depends largely on the network environment it is used in. Having multiple wireless signals in the same environment may cause interference and a drop in the transmission rate. If you require to stay connected to a Wi-Fi network while using VZ-X in the Wi-Fi mode, please follow step 5 to 10 below:



Visualizer



WHITEBOARD



Eyestage

Launch



If you require to stay connected to a Wi-Fi network while using VZ-X in the Wi-Fi mode, please follow step 5 to 10 below:

5

Please connect VZ-X [**with firmware version 2023 or above.**] to your computer via Wi-Fi and open a browser window. Type **10.10.10.1** in the address bar and press "**Enter**". This way you will access the VZ-X's advanced settings.

Connecting Wirelessly to Your Devices

6

Click on **"Connect to AP"** on the bar in the upper right corner

The screenshot displays the 'IPEVO VZ-X Advanced Settings Page'. At the top right, there are three links: 'Quick Test', 'Connect to AP' (highlighted with a red box), and 'Logout'. The main content area is titled 'Settings' and contains three expandable sections:

- Wi-Fi Network (2.4GHz)**:
 - Name (SSID): **VZX_03691C**
 - Channel: **Auto**
 - Hide SSID: **No**
 - MAC address: **FC:1E:16:03:69:1C**
 - Security: **None**
 - An 'Edit' button is located at the bottom right of this section.
- System**:
 - Camera IP: **10.10.10.1**
 - Subnet mask: **255.255.255.0**
 - DHCP start IP: **10.10.10.2**
 - DHCP end IP: **10.10.10.51**
 - An 'Edit' button is located at the bottom right of this section.
- Account**:
 - Account: **admin**
 - Password: *********
 - An 'Edit' button is partially visible at the bottom right of this section.

Connecting Wirelessly to Your Devices

7

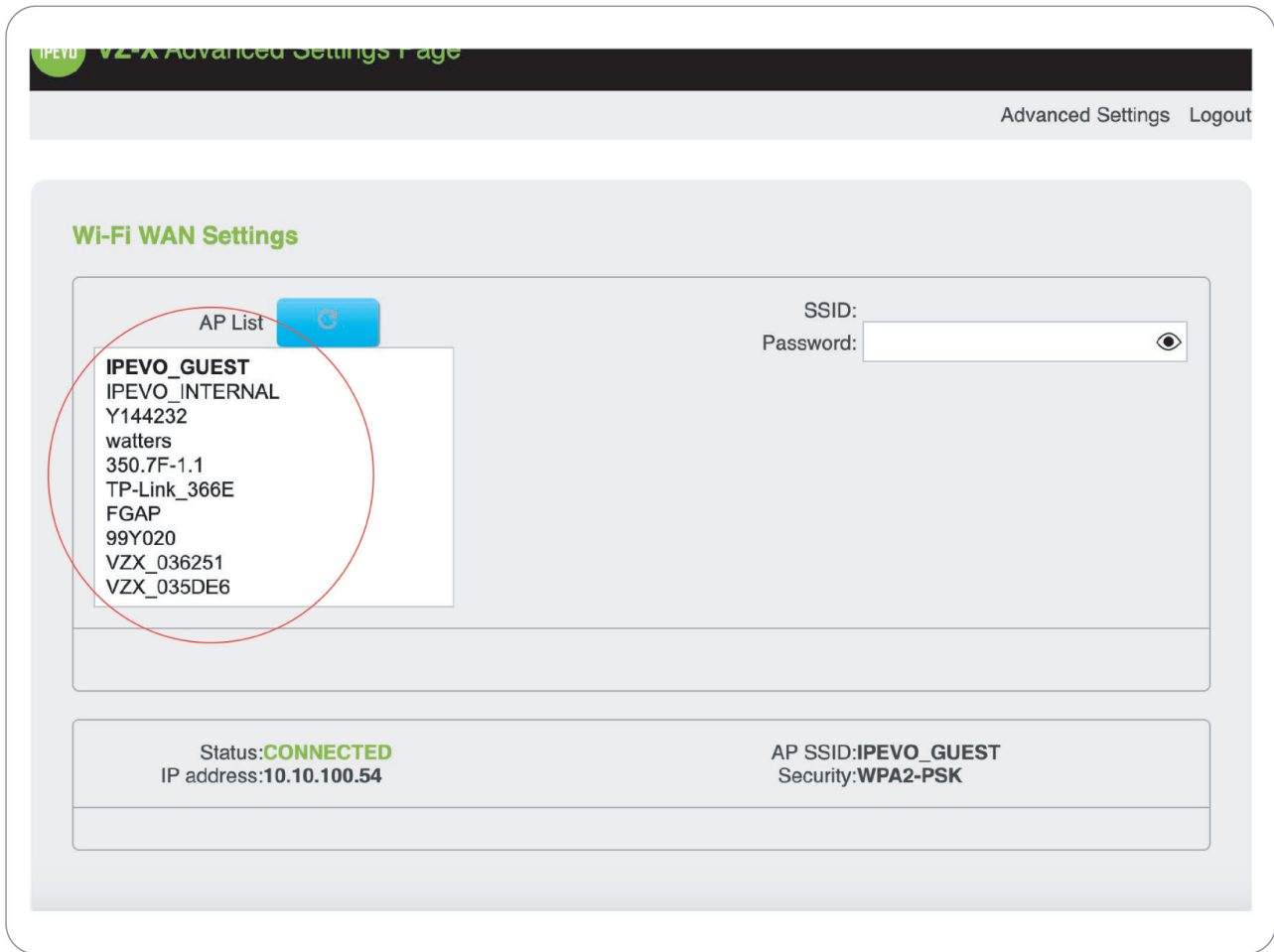
Click on the blue refresh button to see the available networks and select the one you want to connect to [**If you have connected to an available network before, you will be connected automatically. Please see the connection status at the bottom left of the page.]**

The screenshot displays the 'IPEVO VZ-X Advanced Settings Page'. At the top right, there are links for 'Advanced Settings' and 'Logout'. The main section is titled 'Wi-Fi WAN Settings'. It features an 'AP List' label next to a blue refresh button, which is circled in red. Below the refresh button is a large empty white box. To the right of the refresh button are input fields for 'SSID:' and 'Password:', with an eye icon for password visibility. At the bottom, a status bar shows 'Status: CONNECTED' and 'IP address: 10.10.100.54' on the left, and 'AP SSID: IPEVO_GUEST' and 'Security: WPA2-PSK' on the right.

Connecting Wirelessly to Your Devices

8

After you have selected the network, please type the password in the **"Password"** field on the right and press **"Enter"**.



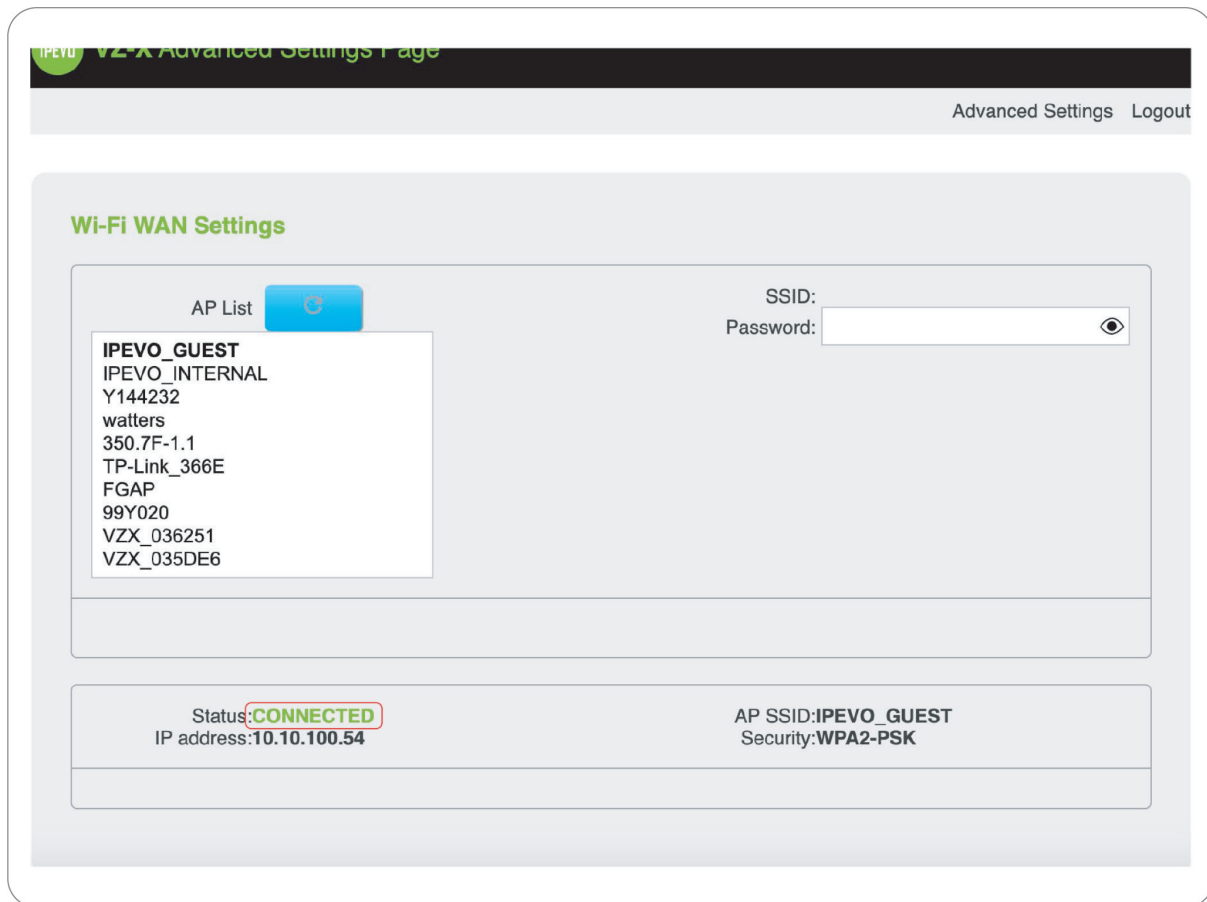
The screenshot displays the "Wi-Fi WAN Settings" interface. At the top, there is a navigation bar with "Advanced Settings" and "Logout" links. The main content area is titled "Wi-Fi WAN Settings" and contains several sections:

- AP List:** A list of available wireless networks is shown, with a blue refresh button to its right. The list includes:
 - IPEVO_GUEST
 - IPEVO_INTERNAL
 - Y144232
 - watters
 - 350.7F-1.1
 - TP-Link_366E
 - FGAP
 - 99Y020
 - VZX_036251
 - VZX_035DE6A red circle highlights this list.
- SSID:** A dropdown menu for selecting the network.
- Password:** A text input field for entering the network password, with an eye icon for toggling visibility.
- Status:** A section showing the current connection status as **CONNECTED** and the IP address as **10.10.100.54**.
- AP SSID:** A section showing the selected network as **IPEVO_GUEST** and the security type as **WPA2-PSK**.

Connecting Wirelessly to Your Devices

9

Check whether the status in the lower left section says **“connected”**. Now you can use VZ-X in Wi-Fi mode and remain connected to the internet. If not, please repeat the process and make sure to type in the correct Wi-Fi network password.



10

Once you connect to the selected wireless network, this network will be saved and VZ-X will connect automatically next time.

Connecting Wirelessly to Your Devices

B. Using with an EZCast

With your VZ-X purchase, you'll receive an EZCast dongle for free. If you need assistance, contact your local distributor or our customer service. EZCast dongle has a one-year warranty.

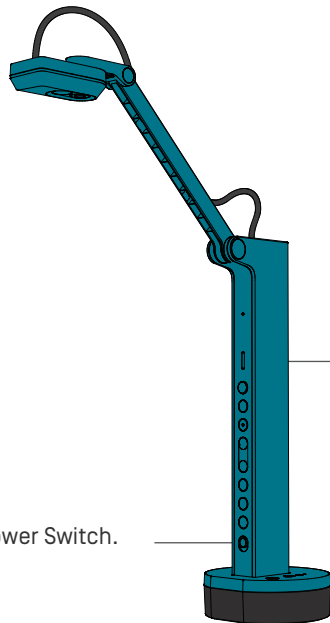
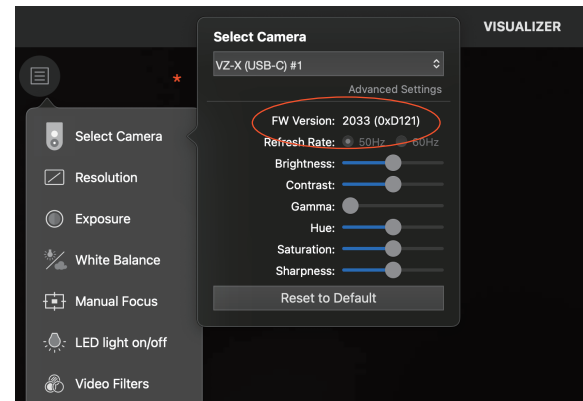
1

Check if the firmware version of VZ-X is 2033 or above.

Download or open IPEVO Visualizer software to your computer. If the firmware version is below 2033, download the Firmware Update Guide and follow the update instructions.

After updating the firmware, please follow the Reset Steps for Resetting VZ-X at P20.

*VZ-X Firmware Update Guide



2

Turn VZ-X on using the Power Switch.



3

Check the LED Indicator and make sure the Green and Amber lights are on.

If the Amber light is not on, please switch VZ-X to its Wi-Fi mode using the Mode Switch located on its back.

Connecting Wirelessly to Your Devices

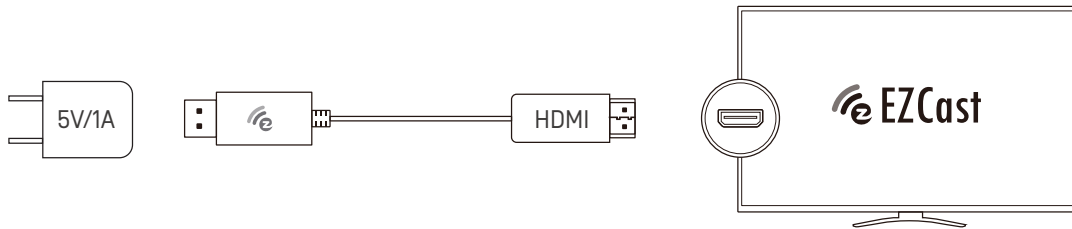
4

Connect EZCast to TV or projector

Plug the EZCast into a TV or projector with HDMI and USB-A ports:

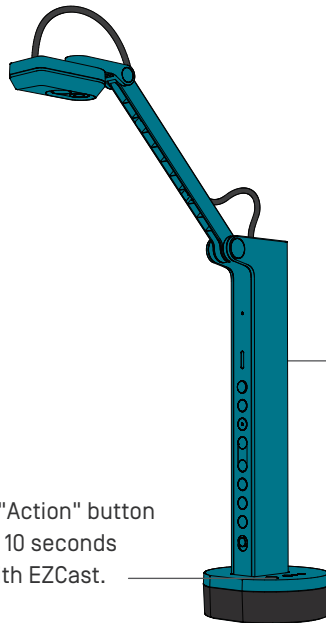
HDMI connection transmits video, while the USB connection serves only for powering the EZCast dongle.

Set your TV's source/input selection to the HDMI port connected to the EZCast dongle.



5

Press and hold the "Action" button on the VZ-X for 5 to 10 seconds to initiate pairing with EZCast.



6

Release the button when Amber LED turns off. Wait approximately 60 seconds. Green, Amber, and White LEDs on: pairing successful. If the Amber LED is flashing, the pairing has failed. Reboot VZ-X and try pairing again.

Connecting Wirelessly to Your Devices

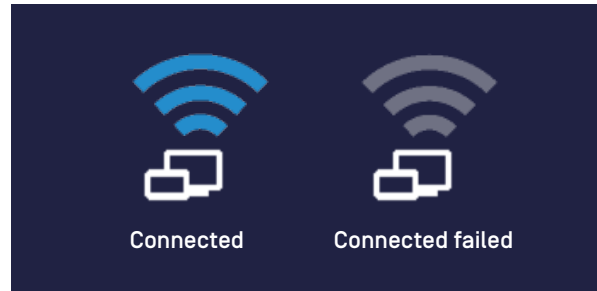
7

Projection Screen

Connected: Signal source symbol in blue.

Connection failed: Signal source symbol in gray.

Please restart VZ-X and re-pair.



Note

To use VZ-X in the wireless mode with other SW platforms such as Google Meet, please go to the support section of the VZ-X website, download **VirtualCam Controller** or **EyeStage** add-on and install it. In **VirtualCam Controller** or **EyeStage** select VZ-X as the source camera. In your SW platforms, then select IPEVO Virtual Cam as your camera.

Enhance your IPEVO experience with our software

<https://www.ipevo.com/software>

Connecting to Your HDMI Displays

Please follow the steps below to connect your VZ-X directly to a TV, projector or monitor via HDMI:

1

Connect an HDMI cable (not included) to the HDMI port of VZ-X. Then, connect the other end of the cable to the HDMI port of a TV projector or monitor.

2

Connect the included USB-C cable to the USB-C port of VZ-X. Then, connect the other end of the cable to the USB port of your TV, projector or computer to provide power for VZ-X. Or, you can also power VZ-X on by connecting the cable to a 5V/2A USB power adapter (not included) and then to an outlet.

Note: If VZ-X is on a full charge or there's sufficient battery power for your session, you do not need to connect VZ-X to any USB port or outlet for powering it on.

3

Check the Mode Switch of VZ-X. Make sure you've switched it to USB/HDMI mode.

4

Turn VZ-X on using the Power Switch. A live image from VZ-X should appear on your HDMI display. VZ-X is now ready for use.

Connecting to Your Computer via USB

You can use VZ-X with your computer [Mac/PC/Chromebook] via USB. You may use it with IPEVO Visualizer or other compatible third party software. If your computer is connected to a projector, you can then project the live image from VZ-X to a large screen. To use VZ-X with your computer, please:

1

Connect the included USB-C cable to the USB-C port of VZ-X. Then, connect the other end of the cable to the USB port of your computer.

2

Check the Mode Switch of VZ-X. Make sure you've switched it to USB/HDMI mode.

3

Turn VZ-X on using the Power Switch.

4

Launch IPEVO Visualizer or any compatible third party software of your choice. A live image should appear on your computer. VZ-X is now ready for use.

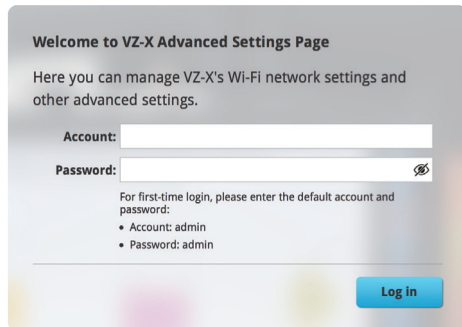
Accessing VZ-X's Advanced Settings

You can access VZ-X's advanced settings to manage its Wi-Fi network settings, setup password protection, update firmware, and do a quick functionality test. To do so, please ensure VZ-X is connected to your device wirelessly and that no other software is accessing it. Then, follow the steps below:



1

Launch your browser and type **10.10.10.1** into the address bar.



2

Enter your login account and password. For first-time login, the default account and password is **admin**.

In the Advanced Settings Page, you may:

- (i) Rename VZ-X's SSID, change it into a hidden SSID, add a password to it, or, change VZ-X's wireless security protocol under "Settings".
- (ii) Change and set VZ-X's IP address, DHCP IP addresses and subnet mask under "System".
- (iii) Change the login account and password under "Account".
- (iv) Update VZ-X's firmware under "Firmware Update".
- (v) Do a quick functionality test under "Quick Test".

Resetting VZ-X

Should you need to reset VZ-X to its factory default, you can do so by:



1



off

Turn VZ-X off if it is still on.

2



Press and hold on both the Increase Exposure and Decrease Exposure buttons.

3



on

Turn VZ-X on while holding down the buttons. The LED Indicator will briefly show three colors – Green, Amber and White. You can then release the buttons. VZ-X is now reset.

Product Safety Certification

CE Mark Warning (㇏㇏)

Warning: This equipment is compliant with Class A of CISPR 32. In a residential environment this equipment may cause radio interference.

Federal Communications Commission (FCC) Statement (㇏)

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.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

Any changes or modifications not expressly approved by the party responsible for compliance could void the authority to operate equipment. This device and its antenna must not be co-located or operating in conjunction with any other antenna or transmitter.

FCC RF Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

VCCI-A (㇏)

この装置は、クラスA機器です。この装置を住宅環境で使用すると電波妨害を引き起こすことがあります。この場合には使用者が適切な対策を講ずるよう要求されることがあります。

IC Certification of Radio Apparatus

This device complies with Industry Canada's licence-exempt RSSs. Operation is subject to the following two conditions:

- (1) This device may not cause interference; and
- (2) This device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

This device and its antenna(s) must not be co-located or operating in conjunction with any other antenna or transmitter.

Cet appareil et son antenne (s) ne doivent pas être situés ou fonctionner en conjonction avec une autre antenne ou émetteur.

IC Radiation Exposure Statement

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.



Precaution

Do not use/store the product in the following places:

- Near heat sources
- Near steam or greasy smoke
- Locations with high humidity
- Sandy or dusty places