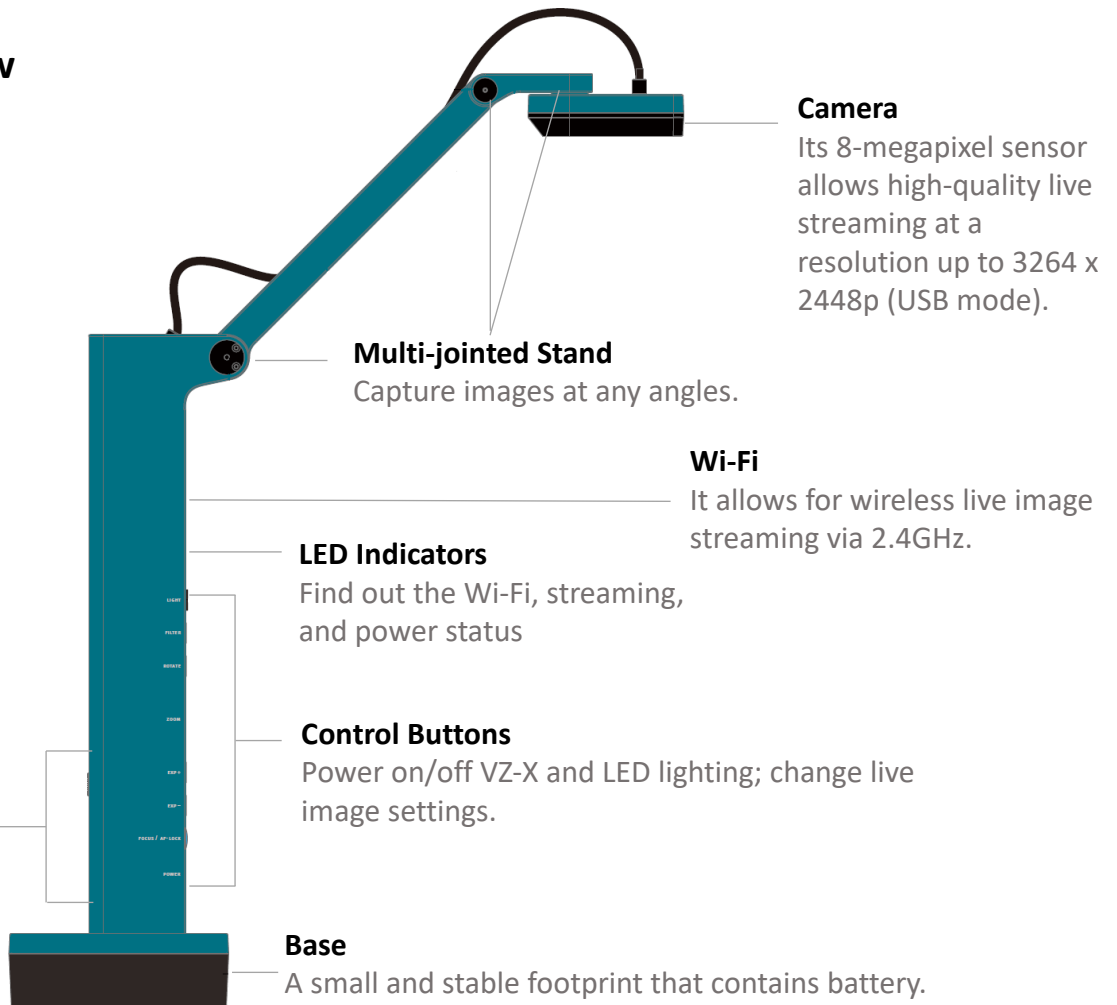


VZ-X Wireless/HDMI/USB Document Camera

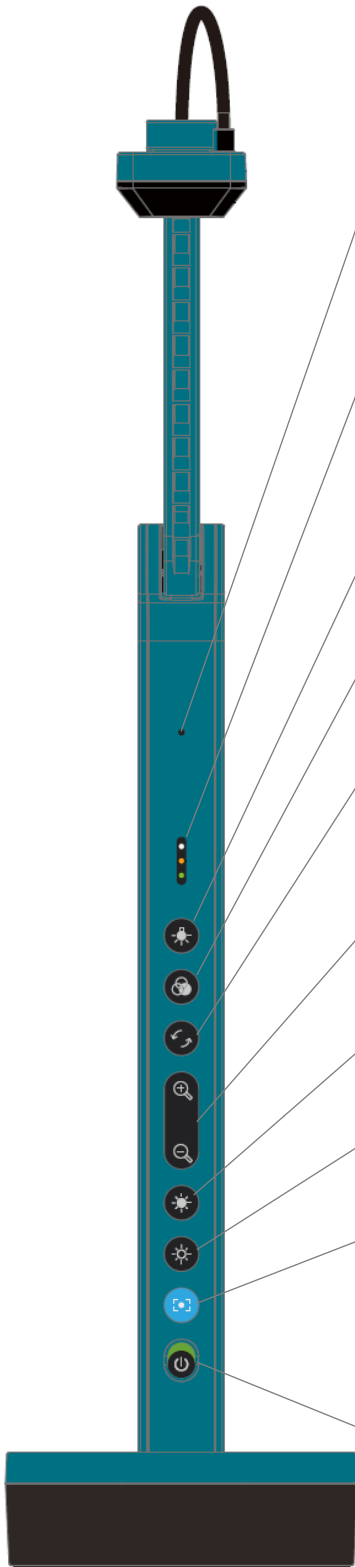
Introduction

IPEVO VZ-X is a versatile 8-megapixel document camera that supports USB, HDMI, and Wi-Fi (2.4GHz) modes. This camera allows for easy live imaging at various indoor settings- offices, classrooms, and conference rooms- once connected to a PC/laptop/projector/TV or other compatible devices.

✓ Overview



✓ Front View



Microphone

The microphone is only functional when VZ-X is used in the Wi-Fi or USB mode. This is useful for video conferencing, recording lessons and more.

LED Indicators

- Green: VZ-X is powered on.
- Amber: VZ-X is in Wi-Fi mode.
- White: VZ-X is streaming image.

Light

Turn the built-in LED light on/off.

Filter

Apply video filter to the live image.

Rotate

Rotate the live image.

Zoom In

Zoom in on the live image.

Zoom Out

Zoom out on the live image.

Increase Exposure

Increase the exposure if the subject is too dark.

Decrease Exposure

Decrease the exposure if the subject is too bright.

Focus Button

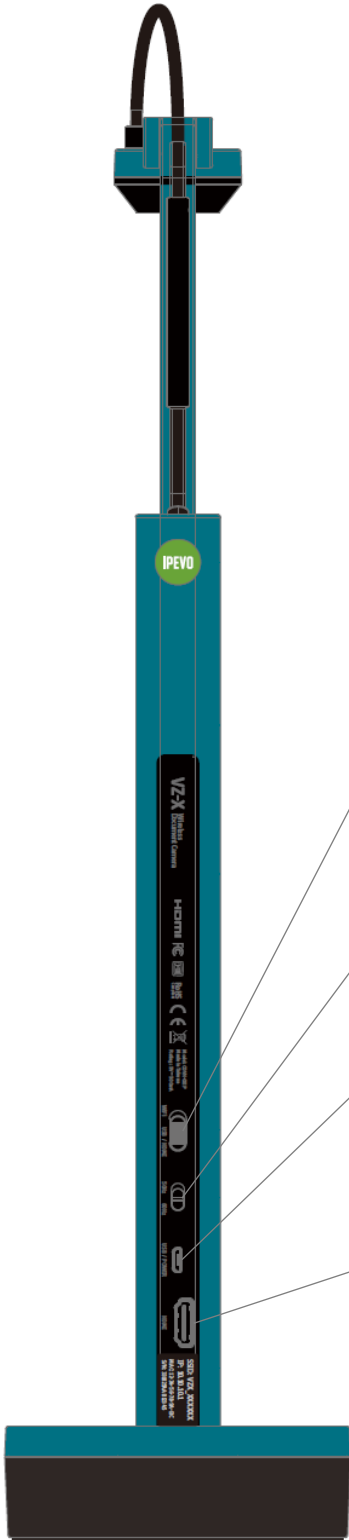
Focus the live image or change the focus mode.

- Press to focus the image.
- Press and hold until you hear a “beep” alert to switch from AF-Continuous to AF-Single.
- Press again to switch back to AF-Continuous.

Power Switch

Turn VZ-X on/off.

✓ **Back View**



Mode Switch

Switch between Wi-Fi and HDMI/USB mode.

Frequency Switch

Change the power frequency to 50 Hz or 60 Hz.

Micro-USB Port

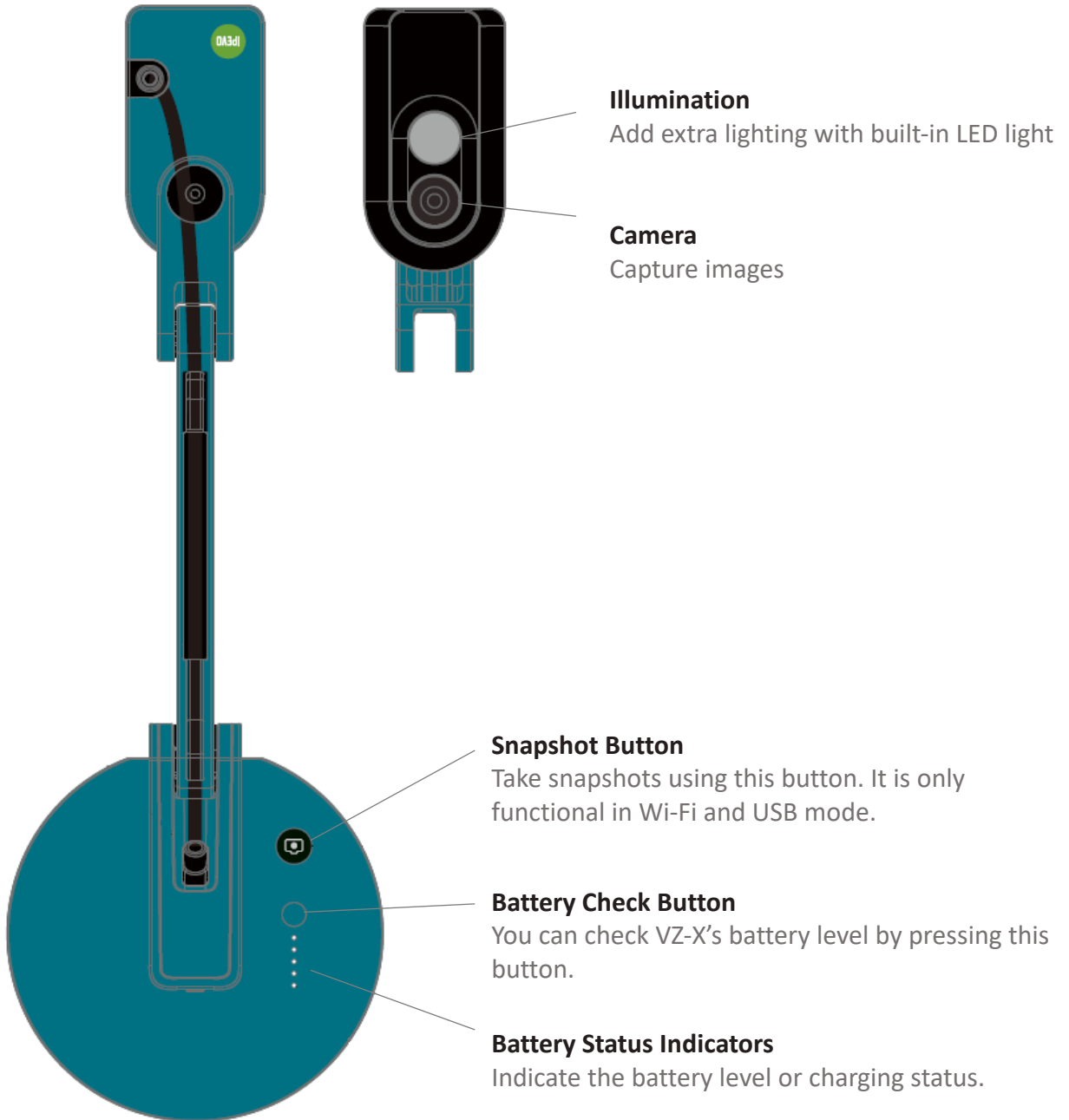
Plug in the included Micro-USB cable here to:

- Connect VZ-X to a computer for use in USB mode.
- Provide power for VZ-X in HDMI mode.
- Charge VZ-X's battery.

HDMI Port

Connect your HDMI cable (not included) here.

✓ **Top View**



Setup

✓ Connection (USB)

You can use VZ-X in its USB mode with your computer (Mac/PC/Chromebook) via USB. You may use it with IPEVO Visualizer or other 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 Micro-USB cable to the Micro-USB port of VZ-X. Then, connect the other end of the cable to the USB port of your computer.
2. Turn VZ-X on using the Power Switch.
3. Launch IPEVO Visualizer or a third party software of your choice. A live image from VZ-X should appear on your computer. VZ-X is now ready to use.

✓ Connection (HDMI)

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 Micro-USB cable to the Micro-USB 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.
3. 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 to use.

✓ **Connection (Wireless)**

To connect VZ-X wirelessly to your iOS/Android devices (iPad/iPhone/Android Tablet/Android Phone), Mac or PC, please follow the steps below:

1. Download the free software “IPEVO Visualizer” for VZ-X at <http://support.ipevo.com/vzx>.
2. Turn VZ-X on using the Power Switch.
3. Press the Battery Check Button and check VZ-X’s remaining battery level. Make sure there’s sufficient battery power to last you through your session. If VZ-X is low on battery, please recharge it by following the steps stated in “Charging VZ-X”.
4. Check the LED Indicator. 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 the back of its body.
5. Turn on the Wi-Fi of your device. Browse the available connections and connect to VZ-X’s SSID. The unique SSID can be found on the label located on the bottom of VZ-X.
6. Launch IPEVO Visualizer. A live image from VZ-X should appear on your device.

Note:

- (1) VZ-X only supports 2.4GHz Wi-Fi network and not 5GHz.

✓ **Reset**

You can reset VZ-X’s Wi-Fi network settings to the factory default. To do so, please:

1. Make sure VZ-X is in the Wi-Fi mode.
2. Turn VZ-X off if it hasn’t been done so.
3. Press and hold on both Increase Exposure and Decrease Exposure buttons.
4. Turn VZ-X on while holding down the buttons.
5. The LED Indicator will briefly show Green, Amber and White. You can then release the buttons. VZ-X is now reset.

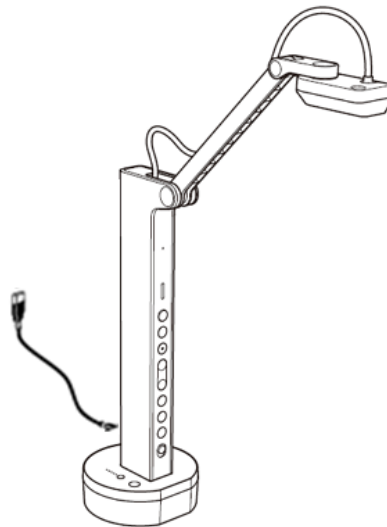
✓ Charging VZ-X

Please charge VZ-X and make sure it has sufficient battery power before using it. The steps for charging VZ-X are as below:

1. Connect the included Micro-USB cable to the Micro-USB 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) It is not possible to charge VZ-X via a USB port of a computer as it does not provide sufficient power output for charging it.
- (2) You can use VZ-X once it is plugged into a power outlet regardless of its remaining battery power.



2. When VZ-X is charging, the Battery Status Indicators will light up green indicating that VZ-X is receiving a charge. Do note that there are a total of five indicator lights: the more indicators light up, the more battery charging is. All of the indicator lights will light up when VZ-X is fully charged.

Note:

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

Product Specifications

Item	Description
Camera	<ul style="list-style-type: none">• 8-megapixel sensor• Auto focus single and continuous• Video stream MJPEG or H.264• Focus 10cm ~ ∞• Lens Field of View ≈ 70°
Resolution	<ul style="list-style-type: none">• PCAM Mode - USB :<ul style="list-style-type: none">• 640 x 480• 800 x 608• 1024 x 768• 1280 x 720• 1600 x 1200• 1920 x 1080 (Default)• 2048 x 1536• 2592 x 1952• 3264 x 1840• 3264 x 2448• Standalone Mode - HDMI :<ul style="list-style-type: none">• 1024x768• 1280x720• 1920x1080 (Default)• PCAM Mode - Wi-Fi :<ul style="list-style-type: none">• 1920x1080 (Default)

<p>Button / Switch</p>	<ul style="list-style-type: none"> • Main body (Front <ul style="list-style-type: none"> • Illumination LED (on/off) • Filter • Rotate • Zoom In • Zoom Out • Increase Exposure • Decrease Exposure • Focus Button (AF-S / AF-C) • Power Switch • Main body (Back <ul style="list-style-type: none"> • Mode Switch (Wi-Fi, USB/HDMI) • Frequency Switch (50Hz / 60Hz) • Base <ul style="list-style-type: none"> • Snapshot • Battery Check
<p>I/O Ports</p>	<ul style="list-style-type: none"> • Micro USB (to PC USB / to power adapter) • HDMI (type A)
<p>Others</p>	<ul style="list-style-type: none"> • Microphone • Battery life : 9~12 hours • Focus Buzzer • Wi-Fi (2.4GHz only) • LED Illumination (on camera head) • LED Indicators <ul style="list-style-type: none"> • Power Indicator • Wi-Fi Indicator • Camera Indicator • Battery Status Indicator

- **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.

- **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.