VenusLiv Air

User Manual

V1.0.0

Thank you for purchasing the Hollyland VenusLiv Air camera. Please read this User Manual carefully before using the product.

VenusCam (Mobile App)

VenusCam is the dedicated mobile app designed for Hollyland live streaming cameras.
It allows you to monitor the live view remotely and control your camera wirelessly, making it easier than ever to manage your live stream from anywhere.
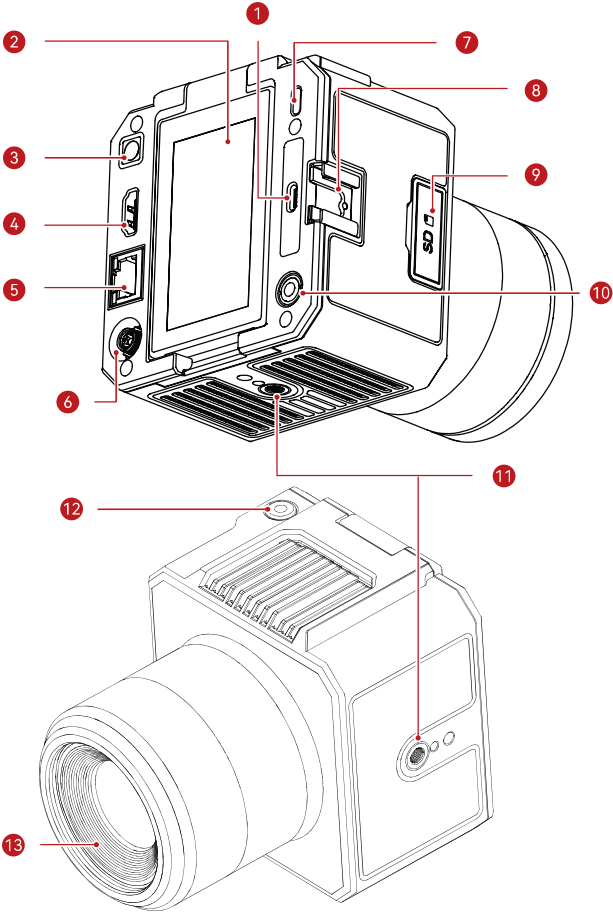

HollyStudio (PC Software)

HollyStudio is the official PC software for Hollyland live streaming cameras. In addition to basic camera parameter control, it offers a suite of professional features, including: green screen, image overlays, skin beauty, image import and management. These tools empower you to create high-quality, professional-grade live streaming content with ease.
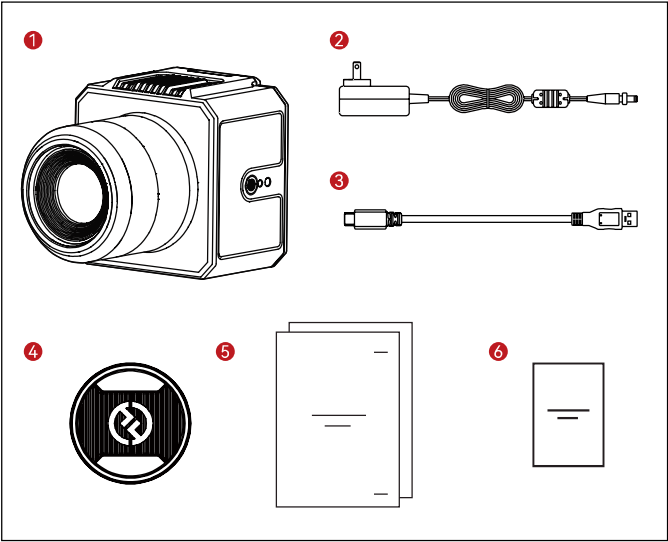
SKU Configuration	Quantity
① VenusLiv Air	1
② 12V / 2A Power Adapter	1
③ USB-C to USB-A Cable (10FT/3M)	1
④ Lens Cap	1
⑤ Quick Guide & Compliance Information Card	1
⑥ Warranty Card	1

Note: Quantity is related to configuration and is based on the actual list of equipment purchased.

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Number	Function Instruction
❶	**Digital Audio Interface** Wireless microphone input (only supports the Hollyland Lark series microphones).
❷	**Touchscreen** Supports swipe down, swipe up, swipe left/right to go back, and tap operations.
❸	**Power Button** • Short press to power on, long press (3s) to display the shutdown menu. **Status Indicator (Red, Green)** • Solid green: Normal status • Slowly flashing green: Camera in initialization • Solid red: Camera in abnormal status (e.g., storage failure) • Slowly flashing red: Firmware upgrading
❹	**HDMI Output** For connection to TV, capture card, switcher, etc. • Extend mode: Outputs only the audio and video streams (without UI interface)
❺	**Ethernet Port** For network connection.
❻	**DC Input** For power supply. Use the provided power adapter to avoid damage to the camera.
❼	**USB-C Port (for UVC)** Connect the camera to a computer using a USB 3.0 cable. • Using a cable lower than USB 3.0 may result in video display issues.

Product Overview

| Number	Function Instruction
8	**Cold Shoe Mount** For mounting external devices with a standard camera cold shoe interface.
9	**SD Slot** For inserting a standard SD card. ・ Please use a SD card with a read / write speed rating of Class 10 or V10 or higher.
10	**3.5mm Jack** For connection to TRS microphones or line-in devices.
11	**1/4" Threaded Hole** For securing the camera. Use a tripod to secure the camera via the 1/4" threaded hole with two mounting methods: vertical and horizontal.
12	**REC Button** Press once to record videos or take photos.
13	**Lens** 4K optical lens

Camera Usage

Connect Power

- Use the provided 12V / 2A power adapter to connect the camera as shown in the diagram.
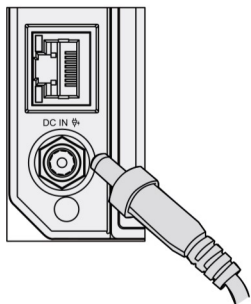
Power on the Camera

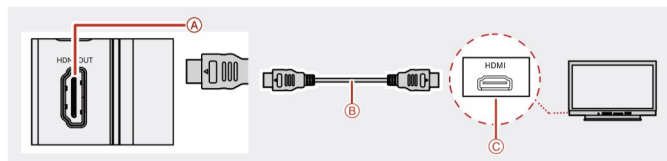- Short press to power on, long press (3s) to display the shutdown menu.
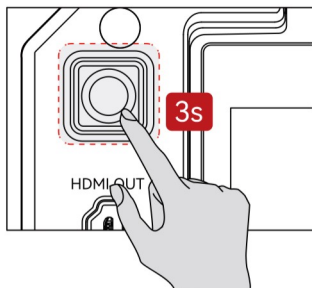
Connect to Computer

*Note: Please use the supplied USB 3.0 cable. Using a cable with lower specifications may result in abnormal video output.
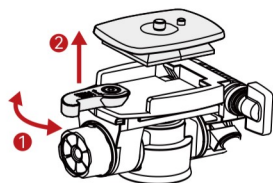
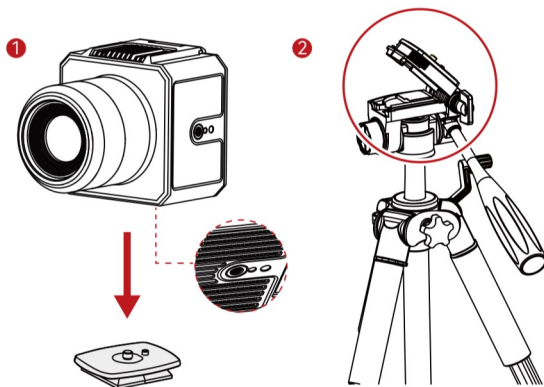**Connect the Camera to the Monitor via HDMI Cable**

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Attach to Tripod

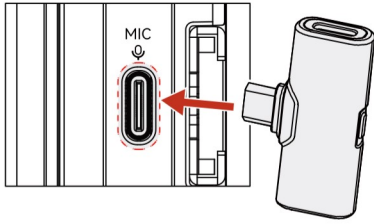1. Open the tripod plate clip and remove the quick-release plate.

2. Attach the quick-release plate to the camera's 1/4" threaded hole, then snap the plate into the tripod mount.
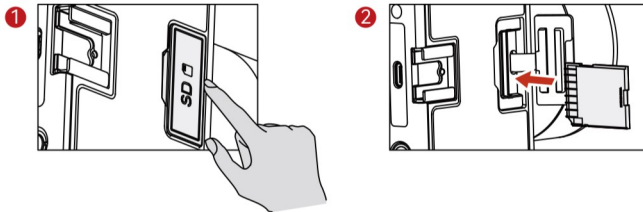
Accessory Usage

Connect Hollyland Microphone

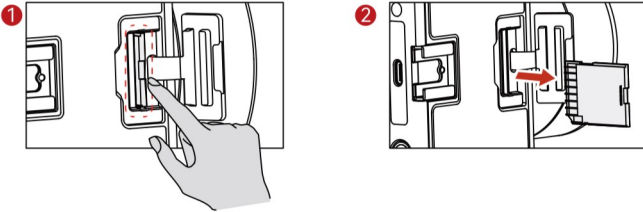• This port is for connecting Hollyland microphones only (other brands not supported).

Insert SD Card

• Insert the SD card until you hear a click. Ensure proper insertion to avoid malfunction.
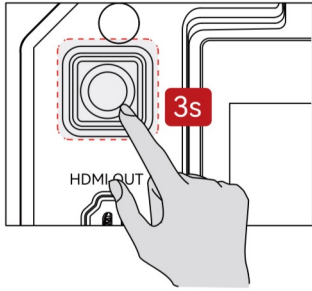

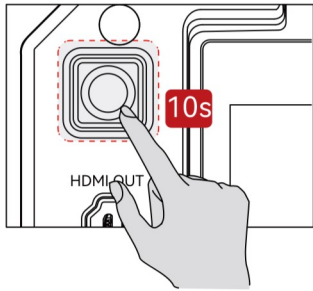• To remove the SD card, press gently to eject it automatically.

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Power Button

- Short press when powered off: Turns on the camera.
- Long press for 3 seconds when powered on: Pops out the shutdown menu options: [Shutdown] or [Cancel].
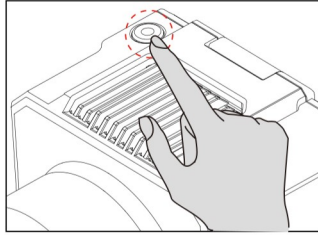

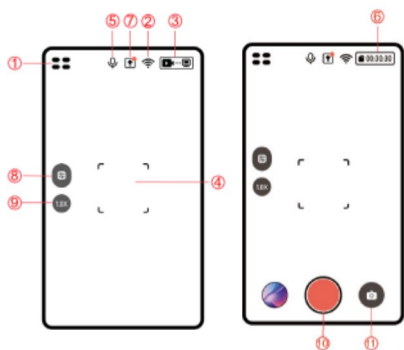- Long press for 10 seconds when powered on: Forces the camera to restart.

REC Button

- In photo mode, press the REC button to take a photo.
- In video mode, press the REC button to start recording, and press it again to stop.

Touchscreen Controls

- After powering on, the touchscreen displays the camera interface. The status bar shows network status, streaming mode, and other indicators. Tap and swipe to navigate and operate functions.
- Tap: Access features such as the toolbox or camera via on-screen icons. Tap the preview area to focus.
- Swipe down from the top edge: Access quick settings.

No.	Item	Description
①	Mode Switch	⊞ Tap the icon to select UVC Streaming, RTMP Streaming or Shooting mode.
②	Network Status	🛜 Connected via Wi-Fi. ⊡ Connected via Ethernet.
③	UVC Streaming	Not connected: [Connect the camera to the computer using a UVC cable] Icon appears, indicating no UVC connection. Connected but not streaming: [Connect the camera to the computer using a UVC cable] Icon disappears. [▶⋯⊡] Icon indicates the camera feed is being streamed to a computer.
④	Focus Frame	■ Tap the preview screen to set the focus area as needed.
⑤	Microphone	Once a microphone is connected, the status bar will display the microphone status: 🎤 3.5mm mic connected, not muted 🎤 USB-C mic connected, not muted 🎤 3.5mm mic connected, muted 🎤 USB-C mic connected, muted
⑥	SD Card	Once inserted, the SD card status is shown in the status bar: ⏺00:30:30 Remaining recording time (in video mode) ⏺189 MB Available storage space (in photo mode)

Home Screen Overview

No.	Item	Description
⑦	Firmware Update	Tap to update to the latest firmware version. This icon will disappear after updating.
⑧	Parameter Settings	Switch between Smart and PRO modes. Adjust white balance, ISO, shutter speed, and save settings as presets.
⑨	Zoom Control	1.0X Tap to manually adjust the focal length.
⑩	Photo / Video	Tap the button to take a photo or start recording.
⑪	Photo / Video Toggle	Tap to switch between photo and video modes. Video Photo

Menu Overview

Swipe down from the top of the touchscreen home screen to access the dropdown menu.
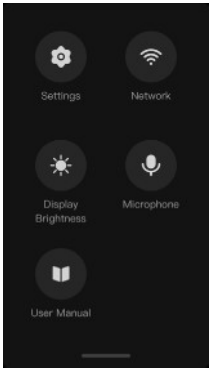
Settings

・Tap Settings to view the following options:

Item	Description
Information	・Tap to view product name, model No., serial number (SN), wireless information, and log upload options. ・Wireless: Tap to view device name, password, IP address, and more. ・Upload Logs: If any issues occur with the camera system, tap to upload system logs to help our support team troubleshoot the problem.
Version	Tap to view the current system version.
Language	Tap to switch between Chinese and English.
Storage Card	Tap to view stored videos, photos, and favorites.
Legal Information	Tap to view the User Agreement and Privacy Policy.
Reset to Factory Settings	Tap to choose whether to clear all device configurations and restore default settings.

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Network

Tap Network and follow the steps below to connect the device to a network. Once connected, firmware updates will be supported.

· Open the VenusCam App on your phone or scan the QR code displayed on the device to download and launch the app.
· On the app's home screen, connect to the camera and tap the device card.
· Tap the More icon in the top right corner of the device detail page.
· Tap Network to select and connect to an available Wi-Fi network.

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· Support email: support@hollyland.com
· Official website feedback: https://www.hollyland.com/support-home

Display Brightness

· Adjust display brightness by sliding the brightness bar.
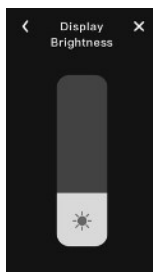
Microphone

· Adjust microphone recording volume by sliding the volume bar.
· Note: This option will appear only when an external microphone is connected.

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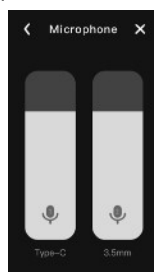
Parameter Adjustment

- Tap [icon] to configure camera settings.
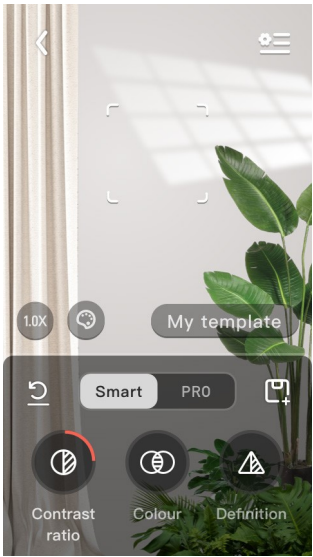
Mode

Mode	Description
Smart	Automatically adjusts image parameters based on ambient lighting.
	[icon] This is the default mode when the camera is powered on. You can use Exposure Lock to maintain the current exposure.
PRO	Tap PRO to manually adjust parameters based on shooting needs.

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PRO Mode
· Tap PRO to enter manual adjustment mode. The following parameters can be customized:

Setting	Description
White Balance	· Manual: Adjusts the image color temperature (range: 3000K to 7000K). Lower values make the image cooler (bluer), higher values make it warmer (yellower). · Auto: The camera analyzes the environment to recommend a color temperature. A visible white element in the frame improves accuracy.
ISO	· Manual: Controls image brightness (range: 100 to 6400). Higher values increase brightness but also introduce more noise. A value under 500 is recommended in normal lighting. · Auto: Automatically selects ISO based on ambient light.
Shutter Speed	· Manual: Controls exposure time (range: 1/30s to 1/1920s). Shorter times result in darker images. · Auto: Automatically selects shutter speed based on environment.
EV (Exposure Value)	· Manual: Adjusts overall brightness (range: –3 to +3). Higher values brighten the image. Default is 0. · ⚠ EV can only be adjusted manually if either ISO or Shutter is set to Auto.
Aperture	· Manual: Controls image brightness and background blur (range: F1.0 to F3.2). Higher values darken the image and reduce background blur.
Contrast	· Manual: Adjusts contrast between bright and dark areas (range: –100 to 100). Default is 0. Higher values create sharper contrast; lower values produce a flatter, greyer image.
Saturation	· Manual: Adjusts color intensity (range: –100 to 100). Default is 0. Higher values enhance color vividness; lower values mute the colors.
Sharpness	· Manual: Adjusts edge clarity of objects in the frame (range: 0 to 100). Default is 50. Higher values enhance detail but may increase graininess.

Parameter Templates
· Tap 🖫 to save the current parameter settings. Saved templates can be viewed and ap-plied under My Templates.

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More
- Tap ▤ to access additional options.

Setting	Description
Face Priority Focus	Enables automatic focusing on detected faces.
Exposure Lock	Locks the current metering value so that exposure settings remain unchanged while recomposing the shot.
Anti-Flicker	Select from Off, 50Hz, or 60Hz. Enable this feature if flickering occurs from point light sources in the frame.
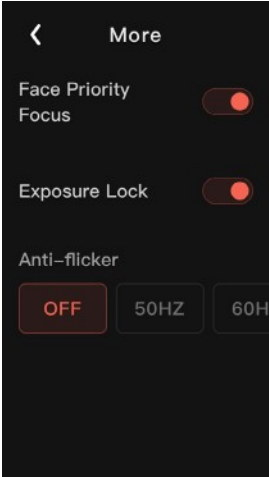
UVC Streaming

1. Connect the camera to your computer via a USB cable. (Note: Both the computer's USB port and the USB cable must support the USB 3.0 standard.)
2. On the computer, launch your streaming software.
3. In the software, set the audio and video devices as follows:
   - Video device: Select VenusLiv Air-CAM_SNxxxx (last 4 digits of the serial number)
   - Audio device: Select VenusLiv Air-CAM-Audio_SNxxxx (last 4 digits of the serial number) to start your live stream.

RTMP Streaming

1. Connect the camera to a network via Wi-Fi or Ethernet.
2. Switch the camera to RTMP Streaming mode.
3. Tap the ＋ icon on the screen to add a streaming URL.
4. Add the streaming details: Scan the QR code with your phone to enter the Stream Name and Stream URL. After entering the information, tap Save. The camera will automatically sync the settings.

Specifications

Type	Item	Description
Basic Parameters	Model	VenusLiv Air
	Weight	660g (+/-100g) (Camera body only)
	Dimensions	L*W*H: 134*97*101mm (+/-5mm)
	Focus	Hybrid autofocus (Phase + Contrast), supports continuous focus
	CMOS	1/1.3-inch
	Effective Pixels	50MP
	Lens	• 4K optical fixed-focus lens • Equivalent focal length 25mm • Aperture F1.05 (Equivalent F3.6) • 4x digital zoom • FOV: Diagonal: 84° Horizontal: 70° Vertical: 55°
	Ports	• DC IN: 5.5*2.1mm • HDMI OUT: HDMI 2.0 • USB-C: USB 3.0 • USB-C: Digital audio • 3.5mm jack • SD card slot • RJ45 network port
	Buttons	• Power button • REC button
	Video Output Formats	• **Record** 3840*2160/ 2160*3840 (30fps) 1920*1080/ 1080*1920 (30fps) 1280*720/720*1280 (30fps) • **UVC (YUY2)** 1920*1080 (30/60fps) • **UVC (NV12)** 3840*2160 (30fps) 1920*1080 (30/60fps) • **UVC (MJPEG)** 3840*2160 (30fps) 1920*1080 (30fps) • **HDMI output** 1920*1080 (60 Hz) • **RTMP output** 3840*2160 (30fps) 1920*1080 (30fps) 1280*720 (30fps)
	Touchscreen	3.0-inch TFT, 480p
	Audio Input	UAC wireless MIC, 3.5mm analog MIC / LINE IN
	Audio Output	HDMI, UAC digital audio output

Specifications

Type	Item	Description
Wireless	WIFI+BT	Dual-band 2.4G + 5G Wi-Fi, Bluetooth 5.0
Electrical	Power Consumption	MAX 10W
	DC Input Voltage	12V 2A
Temperature	Operating Temperature	-10℃ to 40℃
	Storage Temperature	-10℃ to 60℃

Camera Safety Instructions

Failure to follow the precautions below may result in serious injury or death from electric shock or fire, or may damage your camera. Before using the camera and accessories, carefully inspect them to ensure they are intact and free from damage. For safety reasons, the camera should only be used with genuine accessories, either included or purchased separately. Using any third-party components, accessories, or chargers not recommended by Hollyland may result in fire, electric shock, or personal injury. Damage caused by unauthorized accessories is not covered under warranty. For a list of approved accessories, please visit: https://www.hollyland.com/.

1. Do not touch the power adapter or plug with wet hands when connecting the camera. Failure to comply may result in electric shock.
2. Do not place or mount the product on an unstable surface. Doing so may cause the camera to fall or detach, leading to injury or damage.
3. Always follow the safety instructions from the manufacturer when using a third-party power source.
4. The camera lens is made of glass. If the lens is damaged or broken, handle with care to avoid injury from sharp fragments. Keep out of reach of children.
5. The camera may become warm during operation, which is normal. If it becomes excessively hot, turn off the camera and allow it to cool down before resuming use.
6. This product is not a toy. Users are solely responsible for ensuring compliance with all applicable local laws, regulations, and restrictions.
7. Do not use the camera for unauthorized surveillance, secret recording, or any activity that violates personal privacy laws. Unauthorized use is strictly prohibited and may result in legal liability or criminal prosecution.
8. Caution: Avoid exposing the camera to extremely cold or hot environments. Such conditions may reduce battery life or cause temporary malfunction.

Warning

The camera lens is not protected. Mishandling may lead to scratches. Always store the VenusLiv Air camera in the included case, and avoid placing the lens directly on any surface. Lens damage due to scratches is not covered under warranty.

Disclaimer

1. Please read and follow all operating instructions carefully.
2. Pay close attention to all safety warnings.
3. Do not operate this device near heat sources such as radiators, heaters, stoves, or other equipment that produces heat.
4. Use only accessories specified and provided by Hollyland Technology.
5. Refer all servicing to qualified personnel. Servicing is required when the device has been damaged in any way, such as a damaged power cord or plug, liquid ingress, foreign objects entering the device, exposure to rain or moisture, abnormal operation, or being dropped.

Safety Precautions

Do not place the device near or inside heating appliances, cooking equipment, or pressurized containers (such as microwave ovens, induction cookers, electric ovens, space heaters, pressure cookers, water heaters, or gas stoves), to prevent the battery from overheating or exploding. Always use the original, manufacturer-supplied charger, data cable, and battery that match the specified model. Using uncertified or non-matching chargers, cables, or batteries may result in electric shock, fire, explosion, or other hazards.

Support

If you encounter any problems in using the product or need any help, please contact Hollyland Support Team via the following ways:

Hollyland User Group

HollylandTech

HollylandTech

HollylandTech

support@hollyland.com

www.hollyland.com

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Note:

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HOLLYVIEW

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