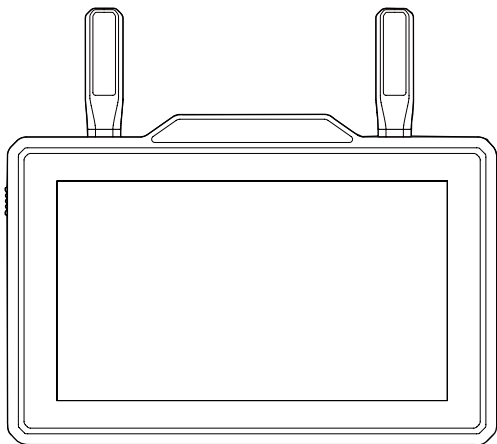




Pyro 5 4K

User Manual

V1.0

Preface

Thank you for choosing the Pyro 5 4K Wireless Transceiving Monitor.

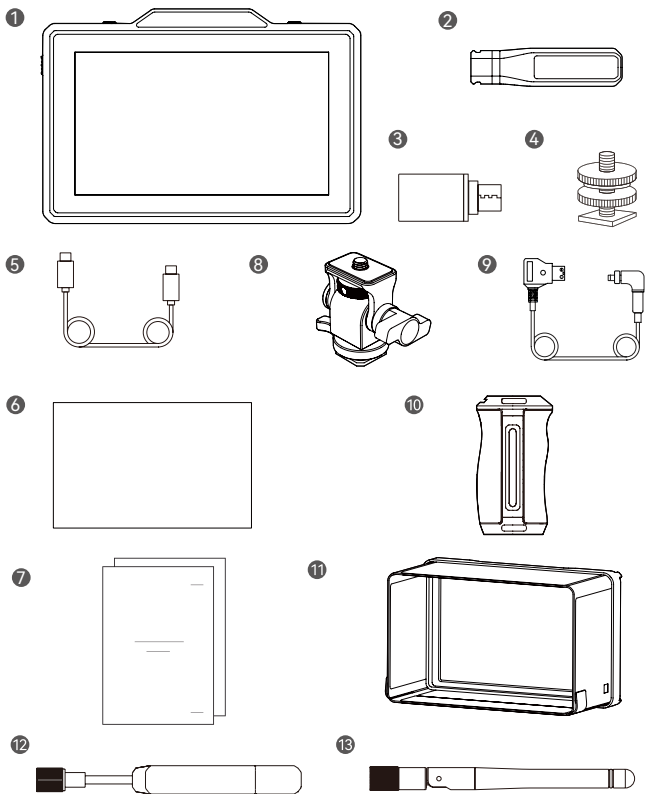
This product features a 5.5-inch 1500 nit high-brightness screen, the latest image codec technology, and 5 GHz & 2.4 GHz wireless transmission technology. It also incorporates camera control and proxy recording functions, allowing direct camera operation through the screen. It is suitable for various scenarios, including promotional videos, short films, short videos, TVC shooting, and other market segments.

■ Key Features

- All-in-one solution integrates transmitter, receiver, and monitor functionalities.
- In Broadcast mode, one transmitter can connect to up to four receivers for monitoring. In Non-Broadcast mode, it supports up to four receivers for monitoring.
- Wireless transmission on 2.4 GHz and 5 GHz frequency bands.
- Minimum latency of 60ms* in an interference-free environment (1080p60).
- 1,300ft (400m)* LOS range (1 TX + 2 RX)
- Supports proxy recording.
- Supports the analysis and import of 3D LUT.
- In TX mode, it supports HDMI (4K30) input and loop-out, SDI (1080p) input, and streaming.
- In RX mode, it supports HDMI (1080p) output.
- Flexible power supply options, including DC (locking) and NP-F batteries.
- Supports auto frequency hopping. A clear frequency channel is automatically chosen upon power-on.
- Extended battery life when working as a monitor with Wi-Fi transmission disabled.
- Professional image analysis functions (Luma Waveform, RGB Waveform, Vectorscope, Histogram)
- Various monitoring assist functions (Zebra Pattern, Focus Assist, False Color, Aspect Mark, Anamorphic, Crosshatch)
- Camera Control

* The related data is based on Hollyland laboratory test results.

Configuration



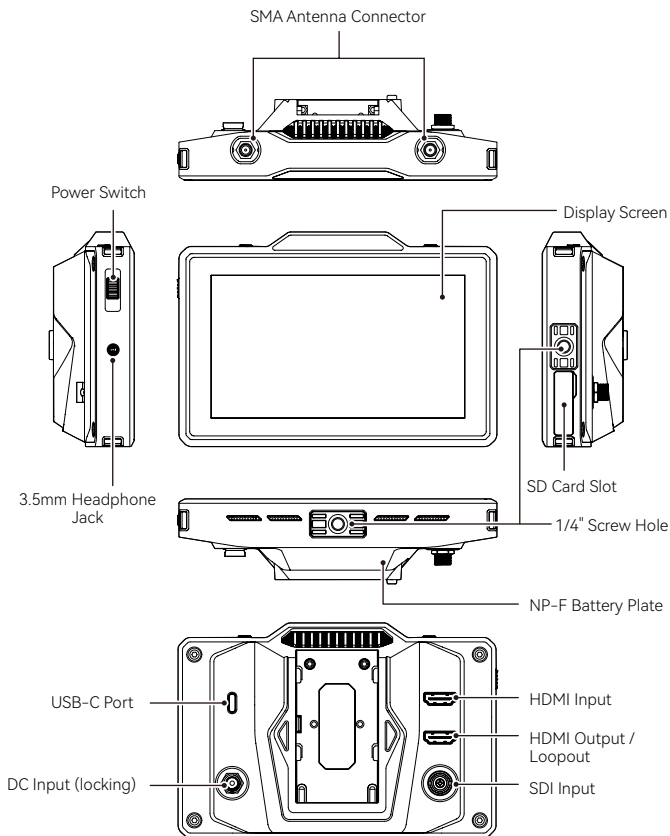
Configuration

SKU	Quantity
① Pyro 5 4K Wireless Transceiving Monitor	1
② Easy-Install Short Antenna	2
③ USB-C OTG Adapter	1
④ Cold Shoe	1
⑤ USB-C to USB-C Cable	1
⑥ Tempered Glass Screen Protector	1
⑦ Quick Guide & Packing List Card & Warranty Card & Compliance Information Card	1
⑧ Rotatable Cold Shoe Mount*	-
⑨ D-Tap to Locking DC Power Adapter Cable*	-
⑩ Side & Bottom Mounted Aluminum Handles*	-
⑪ Monitor Hood*	-
⑫ Paddle Antenna (2.4 GHz & 5 GHz)*	-
⑬ Cylindrical Antenna (2.4 GHz & 5 GHz)*	-

Note:

1. The quantity of the items depends on the product configuration detailed in the packing list card.
2. You can buy accessories marked with an asterisk (*) from Hollyland's official website based on your needs.

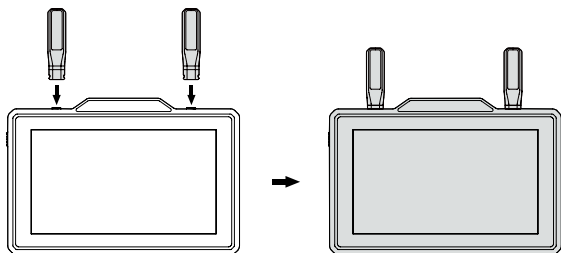
Product Overview



Installation

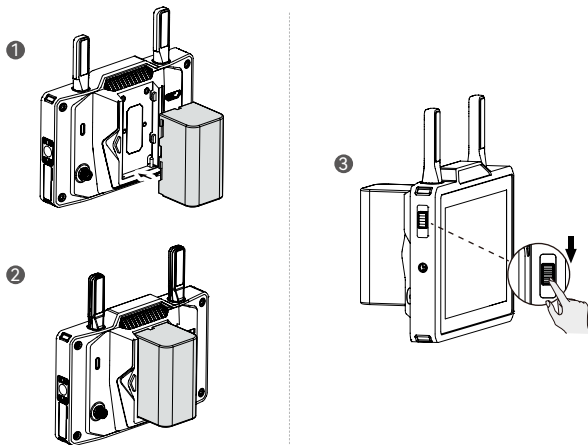
■ Antenna Installation

- Install the antenna at the indicated angle.



■ Battery Installation and Power On/Off

- Insert the battery (compatible with NP-F970 or similar series batteries).
- Slide the power switch downward to turn on the device.



Home Page Introduction

Overview



① Device Mode	⑩ LUT Name
② Current Channel (A: Auto Frequency Hopping Status*)	⑪ Image Analysis Functions
③ Current Group	⑫ SD Card
④ Number of Connected Receivers	⑬ Battery Level
⑤ Record	⑭ Headphone
⑥ Playback	⑮ USB Flash Drive
⑦ Scene Mode	⑯ Lock/Unlock Screen
⑧ Broadcast Mode	⑰ More Functions
⑨ Video Resolution	

*When enabled, the auto frequency hopping function will automatically change channels when encountering interference. In Broadcast mode, it takes around 1s to change the channel. Otherwise, it takes a little longer.

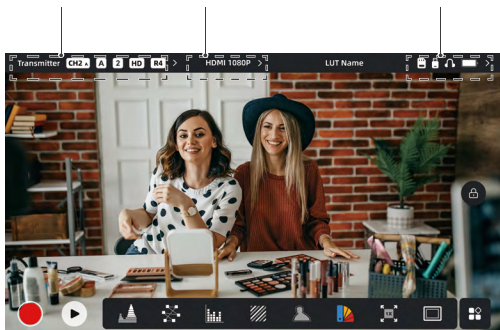
Home Page Introduction

Settings Interface Access

Wireless Information Area

Video Resolution Area

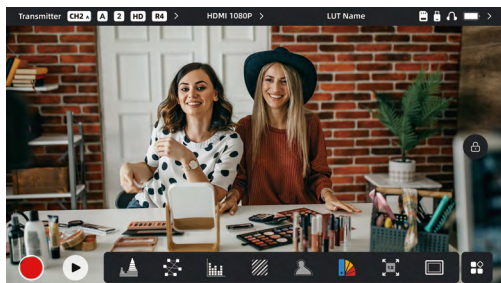
External Device Area



- Wireless Settings: Tap the wireless information area to access the wireless settings interface.
- Display Settings: Tap the video resolution area to access the display settings interface.
- System Settings: Tap the external device area to access the system settings interface.
- Device Information: Tap Device on the left side of any settings interface to access the device information interface.
- Recording Settings: Tap REC icon or text on the left side of any settings interface to access the recording settings interface.
- Settings Interface Switching: Tap any icon or text on the left side of any settings interface to switch to the corresponding settings interface.

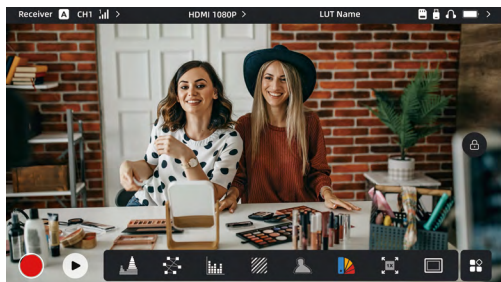
Home Page Introduction

In Transmitter Mode



- The number of connected receivers is displayed.
- When there is no video source, **NO VIDEO** is displayed. When there is video source, video resolution is displayed.
- When in Broadcast mode, R1, R2, R3, or R4 is displayed, corresponding to the number of connected receivers.
- The USB-C icon varies according to its actual usage state, such as upgrading, networking, streaming, and streaming interrupted.

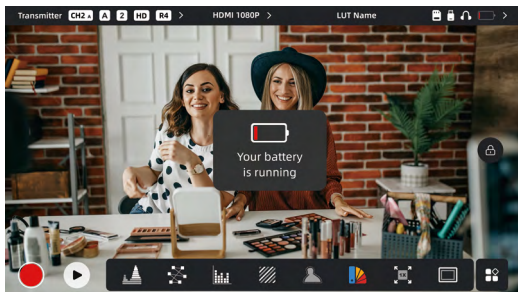
In Receiver Mode



- When disconnected, X is displayed at the signal strength area, and **NO VIDEO** is displayed.
- When connected, the device number in the connection sequence with the transmitter and the signal strength are displayed.
- When there is video source, video resolution is displayed.

Home Page Introduction

■ Low Battery Notification



- When the battery level is low, a notification showing the current voltage value is displayed, and the battery icon turns red.

Function Overview



Waveform

Displays the horizontal representation of exposure levels in an image, clearly showing overexposed and underexposed areas.



Vectorscope

Displays color hues and their saturation levels in an image.



Histogram

Displays the proportional information of exposure levels in an image, clearly showing the overall exposure balance of the image.



Focus Assist

Paints a highlight around in-focus edges with colored lines (red, green, blue, white or yellow), enabling fast and accurate focusing.



Zebra Pattern

Displays a stripe pattern over a specific brightness range (IRE) on an image. You can adjust the upper IRE value and lower IRE value as needed.



False Color

Assigns different colors to areas of different brightness in an image to get quick exposure readings.



3D LUTs

Allows you to preview the color processing result by importing LUTs via a USB flash drive.



Zoom In

Supports 1–4x zoom-in. You can swipe across the screen to change the area to be zoomed in.



Volume Meter

Indicates the audio signal level in the video.

Function Overview



Aspect Mark

Defines the aspect ratio of an image by cropping certain parts on the corners of an image. The transparency ranges from 0 to 100. Supports the following aspect ratios: 16:9, 16:10, 4:3, 1:1, 1.85:1, and 2.35:1. You can also customize the aspect ratio.



Crosshatch

Overlays a geometric grid pattern over an image with customizable rows and columns to display the image in nine grids, sixteen grids, or twenty-five grids.



Anamorphic

Restores image to its original aspect ratio, allowing you to correctly view images when using anamorphic lenses.



Image Overlay

Captures the current image or chooses a file in the SD card to overlay the screen image.



Flip

Flips an image.

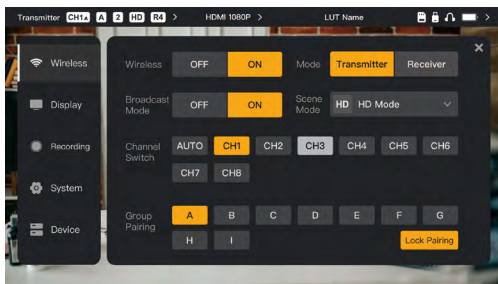
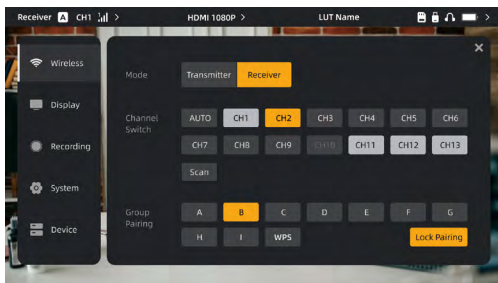


Video Recording

You can name the recorded files and choose whether to apply a LUT.

Settings Interface Introduction

■ Wireless Settings



Wireless Transmission

- Functional only in transmitter mode. Turning wireless transmission off disables Wi-Fi transmission, extending battery life.
- When wireless transmission is turned off, the device cannot be paired with a receiver. To pair with a receiver, turn wireless transmission back on, wait for the channel number to appear in the upper left corner, and then proceed with pairing.

Settings Interface Introduction

Device Mode

- Switch between Transmitter Mode and Receiver Mode based on your needs.
- In Receiver Mode, you can enable WPS to pair the device with Vcore.

Scene Mode

- HD Mode: Can lock onto 12M high bitrate to ensure high-definition image transmission.
- Smooth Mode: Dynamically adjusts the bitrate based on actual usage to balance image quality and latency.

Channel Switch

- Tap a channel number in the channel list to switch the channel.
- Tap AUTO to enable the auto frequency hopping feature.

Scan

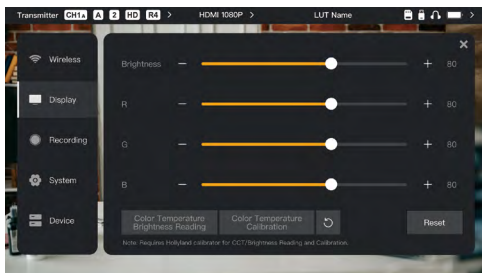
- Functional only in receiver mode. Tap Scan to view signal strength in the environment. The yellow bar in the scan result indicates the channel currently used by the device, the green bar indicates low-interference channels, and the red bar indicates strong-interference channels. It is recommended to use low-interference channels.
- Simply tap the bar to switch the channel.

Pairing

- Perform pairing after the device is powered on and the channel number is displayed.
- Devices in the same group automatically pair.
- To use multiple sets simultaneously in the same location, each set must be assigned to a distinct group.

Settings Interface Introduction

■ Display Settings



Brightness

- Adjust the brightness of the screen backlight from 0 to 100.
- The default value is 100.

R (RED)

- Adjust the red gain of the screen from 50 to 100.
- The default value is 100.

G (GREEN)

- Adjust the green gain of the screen from 50 to 100.
- The default value is 100.

B (BLUE)

- Adjust the blue gain of the screen from 50 to 100.
- The default value is 100.

Reset

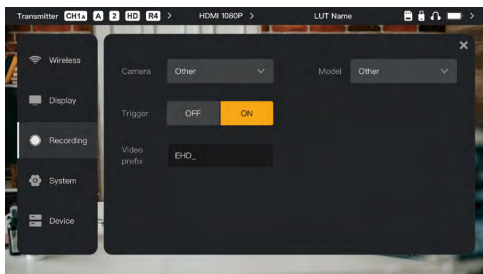
- Reset all the parameters on the display settings interface to their default values.

Color Temperature Calibration

- Connect the Monitor Calibrator and enable the color temperature calibration function. (For detailed instructions, please refer to the Monitor Calibrator User Manual.)

Settings Interface Introduction

■ Recording Settings



Camera Brand

- Camera brand is initialized as "Other"; click the dropdown to select the corresponding brand.

Camera Model

- Camera model is initialized as "Other"; click the dropdown to select the corresponding model.

Trigger

- Trigger recording is enabled by default. When the "Trigger Recording" setting is activated, the monitor's recording function can be controlled by the camera's trigger signal.

Timecode

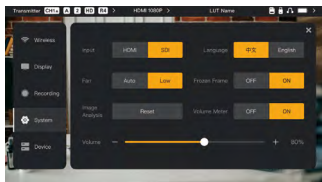
- Timecode is enabled by default.

Video File Prefix

- Video file name prefix can be entered in advance.

Settings Interface Introduction

System Settings



Input

- Tap HDMI or SDI to switch the input source.

Fan

- Switch the fan mode between Auto and Low.
- The default mode is Low.

Language

- Switch the language between Chinese and English.

Volume

- Adjust the output volume for headphones from 0 to 100.
- The default value is 50.

Reset

- Disable all image analysis functions.

Volume Meter

- Display the VU meter or not.
- Disabled by default.

Freeze Frame

- If enabled, the last frame after a transmission interruption is the final frame from the signal source.

Camera Control



You can directly control your camera through the touchscreen, dynamically adjusting shutter, aperture, recording, focus, white balance, and ISO.

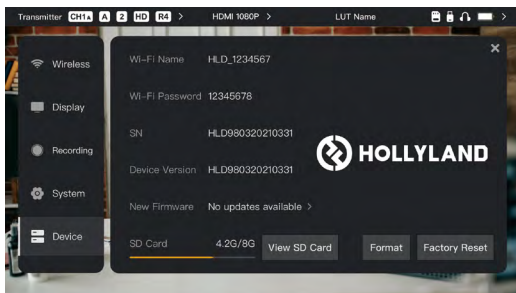
1. Change the remote control method in "Camera Settings" to "PC Remote Control." (Paths vary by model.)
2. Connect the camera to this device via HDMI to share video information. (Synchronized screens indicate a successful connection.)
3. Connect this device to the camera using a USB-C to USB-C cable.
4. Once connected, the device screen will automatically display camera control icons, such as shutter, aperture, recording, focus, white balance, and ISO. Tap the icons to adjust camera settings.

Note:

You can tap the Camera Recording and Touch Focus buttons on the right to trigger the recording and focusing functions on the camera.

Settings Interface Introduction

Device Information



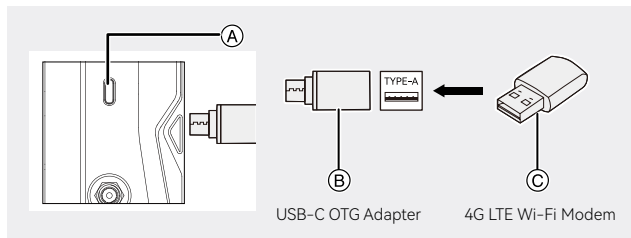
- When in transmitter mode, display Wi-Fi name and password for quick connection to the App.
- The serial number (SN) and version information of the device are displayed.
- Tap **Factory Reset** to reset all the device parameters to their default values.
- The version information of the latest firmware (if available) is displayed.
- Check the current memory of the SD card and tap View SD Card for file management operations.

Device Upgrade

1. Copy the upgrade file to a USB flash drive or SD card.
2. Insert the USB flash drive or SD card to the device.
3. Tap **Confirm** in the on-screen prompt, or tap the latest version number and then tap **Confirm** to start the upgrade process.
4. After the upgrade process is complete, the device restarts automatically.
 - a. Do not power off the device during the upgrade process.
 - b. Use a USB flash drive formatted as FAT32 or NTFS.
 - c. Ensure that wireless transmission is turned on during the upgrade process.

Quick Start

Transmitter Mode Streaming Introduction



Steps:

1. Connect the 4G LTE Wi-Fi Modem to the device using a USB-C OTG Adapter.
2. Observe whether there is any change in the USB-C icon.
3. Enter the streaming address through the HollyView app, and start streaming.

App Download and Connection

1. Download

The app HollyView is available for download on Hollyland's official website. Android users can download the app from the Google Play Store and other App Stores, while iOS users can download it from the App Store.



2. Connection

To connect to the device, access the Wi-Fi connection interface on your mobile phone, tap the one named HLD plus device ID number, and enter the password (default password: 12345678). After successful connection, you can use the app to monitor.

Specifications

Product Category	Pyro 5 4K	
	Transmitter Mode	Receiver Mode
Input Port	HDMI 1.4b 3G-SDI IN	/
Output Port	Loop-Out HDMI 1.4b	HDMI 1.4b
Audio-Video Parameters	Color Depth Capability	HDMI Input: YUV 422 / YUV 444 8-Bit
	Input Audio Format	HDMI 1.4b 8-Channel
	Output Audio Format	HDMI 1.4b 8-Channel
Antenna	SMA Male	
Power Input	DC Input (2.0mm core socket)	
Headphone Jack	3.5mm	
Upgrade Port	USB-C (USB 2.0 OTG) / SD Card Slot	
Screen Size	5.5" Touchscreen	
Screen Resolution	1920*1080 pixels	
Color Gamut	Rec.709	
Aspect Ratio	16: 9	
Screen Brightness	1,500 nits	
Contrast Ratio	1000:1	
Power Input Voltage	NPF: 6V - 16V DC In: 10V - 18V DC	
Video Processing Technology	Video Bitrate	Maximum 12 Mbps
	Video Encoding Format	H.264
Power Consumption	<18.9W	<16W
Net Weight	Approx. 410g (14.5oz)	
Dimensions	(L×W×H): 151.6×102.3×40.5mm (5.97" × 4.03" × 1.59")	
Operating Frequency	• 5.150 - 5.250 GHz • 2.412 - 2.484 GHz • 5.250 - 5.350 GHz • 5.725 - 5.850 GHz	
Transmit Power	< 23dBm	/

Specifications

Receiver Sensitivity	/	Non-Broadcast: -85 dBm Broadcast: -80 dBm
Transmission Latency	Approx. 60ms (Tested in a laboratory environment with 1080p60)	
Bandwidth	Non-Broadcast: 20 MHz Broadcast: 40 MHz	
Operating Temperature	- 10°C to 60°C	
Storage Temperature	- 40°C to 60°C	

HDMI Input	HDMI Loopout	HDMI Output
720P50/59.94/60	720P50/59.94/60	720P50/59.94/60
1080i50/59.94/60	1080i50/59.94/60	1080i50/59.94/60
1080p23.98/24/25/29.97/30	1080p23.98/24/25/29.97/30	1080P23.98/24/25/29.97/30
1080P50/59.94/60	1080P50/59.94/60	1080P50/59.94/60
3840x2160 P23.98/24/25/29.97/30 Hz	3840x2160 P23.98/24/25/29.97/30 Hz	1080P 23.98/24/25/29.97/30Hz

SDI Input	HDMI Loopout	HDMI Output
1080P50/59.94/60 (Level A)	1080P50/59.94/60(Level A)	1080P50/59.94/60(Level A)
1080P50/59.94/60 (Level B)		
1080i50/59.94/60	1080i50/59.94/60	1080i50/59.94/60
1080P23.98/24/25/29.97/30	1080P23.98/24/25/29.97/30	1080P23.98/24/25/29.97/30
1080psf23.98/24	1080psf23.98/24	1080psf23.98/24
1080psf25/29.97/30	1080i50/59.94/60	1080i50/59.94/60
720P50/59.94/60	720P50/59.94/60	720P50/59.94/60

* Note: Due to differences in various countries and regions, there may be variations in the operating frequency band and wireless transmit power of the product. For details, please refer to local laws and regulations.

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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HOLLYVIEW

Powered by Hollyland

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