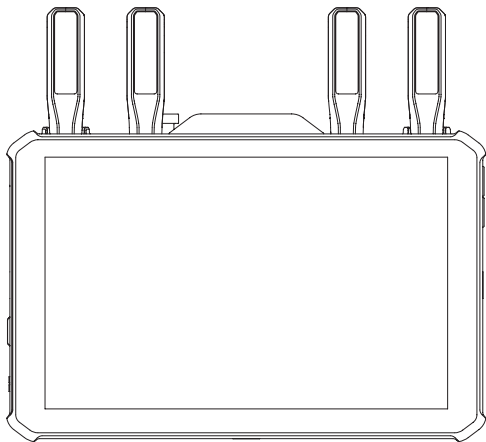




Pyro 7 Ultra

Quick Guide

V1.0

Preface

Thank you for choosing the Pyro 7 Ultra Ultra-HD Wireless Video Transmission & Monitoring System. Equipped with a 7-inch, 1500 nits high-brightness professional display, this product offers precise color reproduction. Featuring the advanced TWiFi 2.0 wireless encoding and transmission technology alongside a comprehensive suite of professional image analysis tools, the Pyro 7 Ultra provides a stable, reliable, and convenient high-fidelity monitoring experience for your professional productions.

[EN] Please read this Quick Guide carefully before using the product. For detailed information, scan the QR code to access the User Manual available in English and other languages.

[FR] Veuillez lire attentivement ce guide rapide avant d'utiliser l'appareil. Pour plus d'informations, scannez le code QR pour accéder au manuel d'utilisation disponible en anglais et dans d'autres langues.

[DE] Bitte lesen Sie diese Kurzanleitung sorgfältig durch, bevor Sie das Produkt verwenden. Für weitere Informationen scannen Sie bitte den QR-Code, um die Bedienungsanleitung auf Englisch und in anderen Sprachen aufzurufen.

[IT] Leggere con attenzione questa Guida rapida prima di utilizzare il prodotto. Scansionare il codice QR per accedere al Manuale utente disponibile in inglese e altre lingue per informazioni più dettagliate.

[ES] Lea atentamente esta guía rápida antes de utilizar el producto. Para obtener información detallada, escanee el código QR y acceda al Manual de usuario, disponible en inglés y otros idiomas.

[PT] Leia atentamente este Guia Rápido antes de usar o produto. Para obter informações detalhadas, leia o código QR para acessar o Manual do Usuário, disponível em inglês e outros idiomas.

[KR] 본 제품을 사용하기 전에 반드시 본 빠른 설명서를 읽어 주십시오. 상세한 정보는 QR 코드를 스캔하셔서 영문 및 기타 언어로 제공해 드리는 사용자 설명서를 확인하십시오.

[RU] Перед использованием внимательно изучите данное краткое руководство. Для получения подробной информации отсканируйте QR-код, чтобы открыть руководство пользователя на английском и других доступных языках.

ID Silakan baca Panduan Cepat ini dengan cermat sebelum menggunakan produk ini. Untuk informasi lebih lengkap, pindai kode QR untuk mengakses Panduan Pengguna yang tersedia dalam bahasa Inggris dan bahasa lainnya.



Key Features

- **High Color Accuracy + Quantum Dot Wide Color Gamut + 1500 nits Brightness**
Individually calibrated with Calman (Rec.709, Gamma 2.4, $\Delta E < 1.5$) and enhanced by a Quantum Dot (QD) film, the Pyro 7 Ultra delivers a wide color gamut and an ultra-refined monitoring experience. The 1500-nit high-brightness display—with an optional integrated, tool-free sunshade—is supported by our proprietary monitor calibrator to meet professional demands for both color precision and luminance.
- **4K60 UHD Transmission**
Delivers ultra-smooth, lossless image quality, perfectly tailored for high-end film production and demanding monitoring environments.
- **One-to-Unlimited Monitoring**
Supports an unlimited number of receivers for synchronized, high-efficiency team monitoring.
- **Ultra-Low Latency for Precise Focus Pulling**
Delivers 20ms ultra-low latency to meet the most demanding real-time professional workflows, such as focus pulling.
- **Stable 1km transmission range**
Achieves a stable 1km transmission range, effortlessly covering extreme shooting environments such as outdoor locations and aerial cinematography.
- **Intuitive UI System**
Features a logical interaction design with direct functional access for seamless and efficient professional monitoring.
- **HDMI IN/LOOP+SDI IN/LOOP**
Offers HDMI IN/LOOP and SDI IN/LOOP with cross-output support, facilitating versatile device connections for diverse professional shooting environments.
- **Versatile Power Options**
Integrates a built-in V-mount plate and a DC input to support both extended studio sessions and portable shooting, achieving an ideal balance between compact size and power capacity.

Key Features

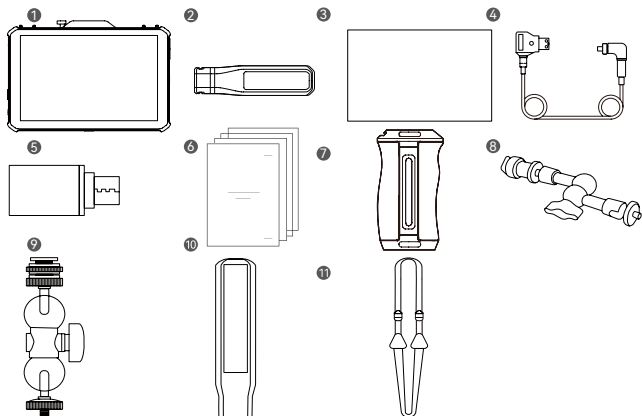
- **Industry Ecosystem Connectivity**

Supports the Tilta focus ecosystems, enabling seamless device interconnection within professional industry workflows.

- **Pyro Ecosystem**

Enables seamless interconnection and versatile combinations across the Pyro series, providing a cost-efficient and flexible setup for diverse shooting environments.

Included Items

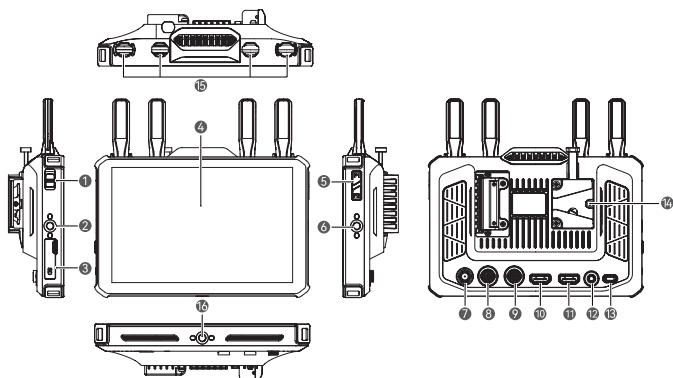


SKU	Quantity
① Monitor	1
② Easy-Install Short Antenna	4
③ Tempered Glass Screen Protector	1
④ D-Tap to Locking DC Power Adapter Cable	1
⑤ USB-C OTG Adapter	1
⑥ Quick Guide & Packing List Card & Compliance Information Card & Warranty Card	1
⑦ Side & Bottom Mounted Aluminum Handle	-
⑧ Magic Arm	-
⑨ Double Ball Head with Cold Shoe Mount	-
⑩ Easy-Install Antenna	-
⑪ Shoulder Strap	-

Note:

1. The quantity of the items depends on the product configuration detailed on the packing list card.
2. Items 7, 8, 9, 10, 11 are optional accessories available for separate purchase as needed.

Device Interface Definitions

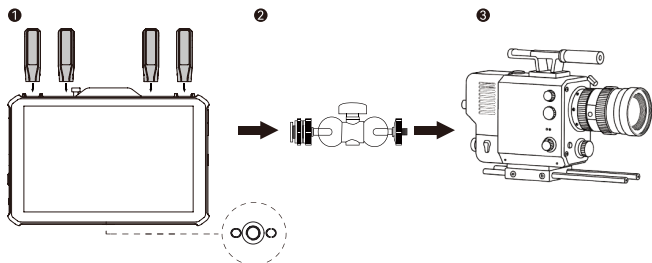


- ① Power Switch
- ② 1/4" Threaded Hole
- ③ SD Card Slot
- ④ 7" High-Brightness Touchscreen
- ⑤ Shortcut Buttons *2
- ⑥ 1/4" Threaded Hole
- ⑦ DC Input (2.0mm)
- ⑧ SDI OUT

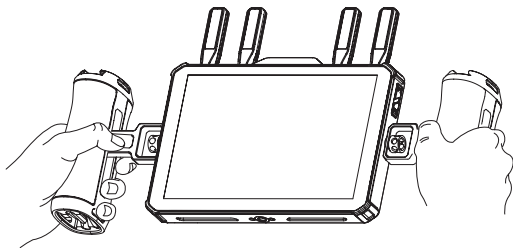
- ⑨ SDI IN
- ⑩ HDMI OUT
- ⑪ HDMI IN
- ⑫ 3.5mm Headphone Jack
- ⑬ USB-C Data Port
- ⑭ V-Mount Battery Plate
- ⑮ SMA (Easy-Install) Antenna Interface
- ⑯ 1/4" Threaded Hole

Mounting Options

As a Transmitter



As a Receiver



*T-Handle sold separately

UI Overview

Home Page

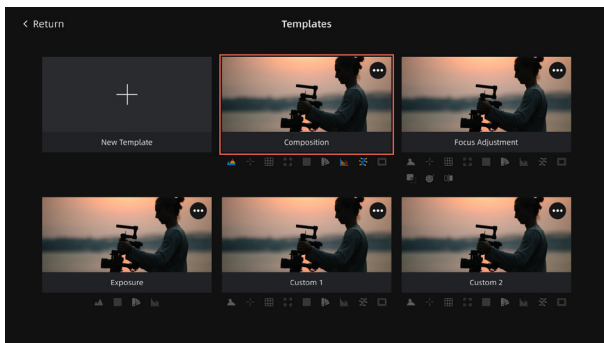


- ① Wireless Mode
- ② Group Lock Indicator
- ③ Current Channel
(A: Auto Frequency Hopping Indicator)
- ④ Group ID
- ⑤ Receiver Connection Count
- ⑥ "∞" displayed when receivers exceed 20
- ⑦ Scene Mode
- ⑧ Focus Mode
- ⑨ Broadcast Mode
- ⑩ Resolution
- ⑪ LUT File Name
- ⑫ Calibrator Status
- ⑬ Camera Control
- ⑭ SD Card Status

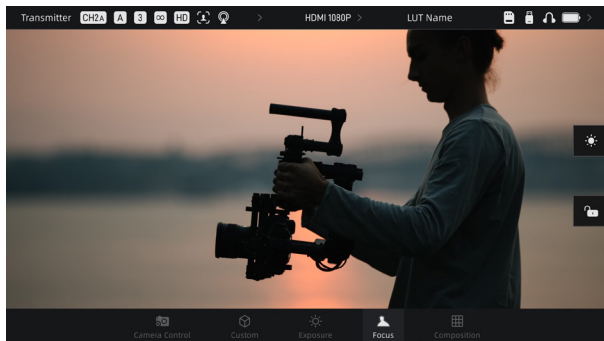
- ⑮ USB Drive Status
- ⑯ Headphone Monitoring
- ⑰ Battery Level
- ⑱ Brightness Shortcut
- ⑲ Screen Lock
- ⑳ Secondary Menu
- ㉑ Feature Layout
- ㉒ Monitoring Tools
- ㉓ Playback
- ㉔ Record
- ㉕ Display Markers
- ㉖ Screenshot

UI Overview

Template Management



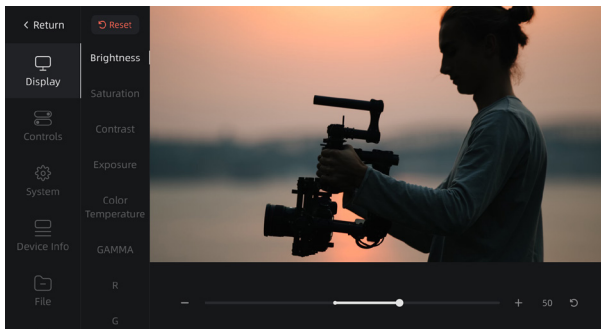
1. Swipe up from the bottom of the screen to access the template management page for adding and managing templates.



2. Swipe left or right on the home screen to quickly switch between functional templates.

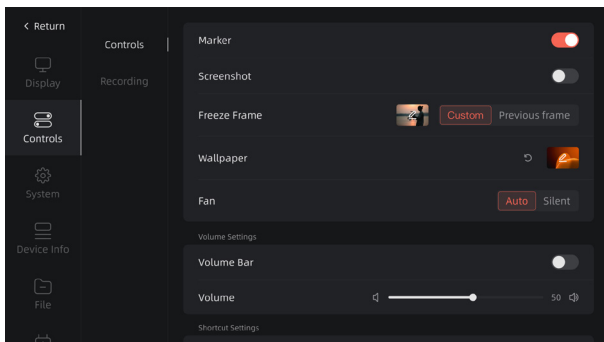
UI Overview

Swipe down from different positions at the top of the home screen to access the corresponding settings menus.



1. Display Settings: Adjusts display effects through parameters including brightness, saturation, contrast, exposure, color temperature, calibration, Gamma, R, G, and B based on factory calibration.

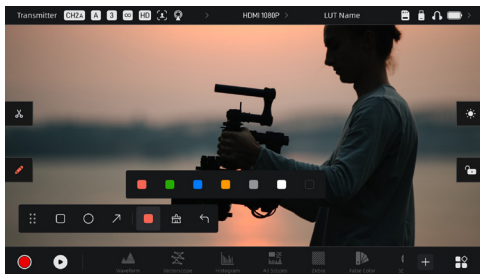
2. Functional Settings:



UI Overview

Markers

Displays the marker button on the home screen. Activating markers on any monitor within the same group synchronizes the status across all devices. Markers can be toggled independently on each device without interference (supported in both TX and RX modes).



Screenshot

Displays the screenshot button on the home screen. Tap to capture the current display as an image; a preview will appear in the bottom-left corner of the screen.

Freeze Frame

Provides two display modes for signal interruption:

Custom: Displays a custom image imported via external storage when the signal is interrupted.

Last Frame: Holds and displays the last frame captured before the signal was interrupted.

Wallpaper

Allows importing custom images via USB drive or SD card to set as the device wallpaper.

Fan

Provides two operating modes:

Silent: Optimized for environments with strict noise requirements.

Auto: Adjusts fan speed dynamically based on ambient temperature and device operating status.

Volume Bar

Monitors real-time audio input status and level range from the video source.

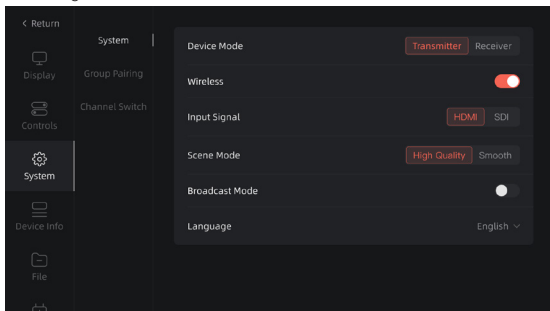
Volume

Adjusts the volume level for audio monitoring.

Shortcuts

Assigns custom functions to the F1 and F2 buttons for one-touch activation.

3. System Settings



Device Mode

Toggles the monitor between Transmitter (TX) and Receiver (RX) modes.

Wireless Transmission

Disables wireless transmission when the device is in TX mode without an active video feed to extend battery life.

Input Signal

Recognizes input signals automatically. Supports manual switching when two signal sources are connected simultaneously.

Scene Mode

HD Mode: Dynamic bitrate ranging from 8–12 Mbps.

Smooth Mode: Dynamic bitrate ranging from 2–12 Mbps.

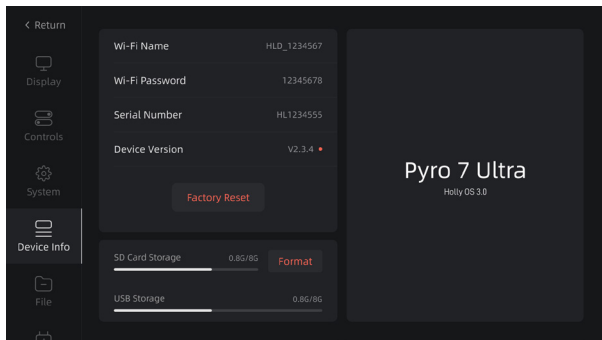
Broadcast Mode

Activates the broadcast transmission mechanism to enable one-to-many transmission with unlimited receivers.

Language

Sets the UI language.

4. Device Info



Wi-Fi Name

Displayed only when the device is in Transmitter (TX) mode and Broadcast Mode is off. Used for wireless connection with the app.

Wi-Fi Password

Displayed only when the device is in Transmitter (TX) mode and Broadcast Mode is off. Used for app connection authentication.

Serial Number

Displays the unique serial number of the device.

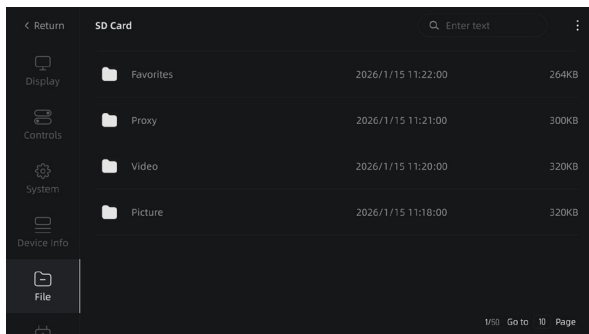
Firmware Version

Displays the current firmware version. If a newer version is detected on a connected USB drive or SD card, a red dot notification will appear; tap to upgrade. Firmware downgrades must be performed manually via the File Management page.

SD Card Storage

Displays real-time SD card storage information and supports quick formatting.

5. File Management



Manages files and directories, including folder organization and media asset management.

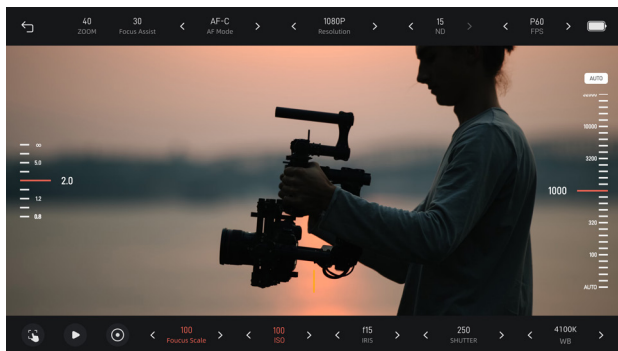
Monitoring Tools

Icon	Description
	Waveform Displays the horizontal exposure levels of the image, clearly identifying overexposed or underexposed areas to reflect brightness distribution.
	Vectorscope Visualizes color composition and accurately displays the hue and saturation information to assist in color correction.
	Histogram Shows the proportional distribution of exposure levels in the image for rapid assessment of overexposure or underexposure via bar charts.
	Integrates core analysis dimensions of exposure and color, providing a comprehensive reference for rapid evaluation.
	Zebra Overlays patterns on exposure areas based on IRE percentage limits to accurately mark and control exposure boundaries.
	False Color Transforms image brightness values into color mapping, allowing for rapid identification of different luminance levels.
	Rotate Adjusts the rotation angle of the video feed to accommodate different camera orientations and mounting requirements.
	LUT Provides professional color calibration and supports importing custom LUT files via USB drive for instant style customization.
	Mirror Applies mirroring to the video feed for specialized framing and display needs.

Monitoring Tools

Icon	Description
	Anamorphic Adjusts image aspect ratio via de-squeeze to accommodate anamorphic lenses and specialized widescreen cinematic requirements.
	Aspect Applies customizable dual-directional masking based on aspect ratios (16:9, 16:10, 4:3, 1:1, 1.85:1, 2.35:1, and custom) with 0–100% transparency control.
	Safety Frame Marks safe display areas to prevent critical content from being cropped, ensuring compliance with various broadcasting and display standards.
	Center Marker: Sets a precise reference point at the center of the frame to assist in composition and camera positioning.
	Image Overlay Supports custom layer overlays for auxiliary markers or scene references to enhance framing and monitoring precision.
	Grid Divides the frame using 3x3, 4x4, or 5x5 grids to provide a professional visual guide for shot composition.
	Focus Peaking Highlights in-focus areas with high-contrast outlines to provide an intuitive reference for rapid and accurate manual focusing.
	Sharpness Adjusts image edge definition and detail clarity to adapt to various shooting environments and visual style preferences.

Camera Control



Connection Steps

1. Camera Connection

Option 1: Hardware First

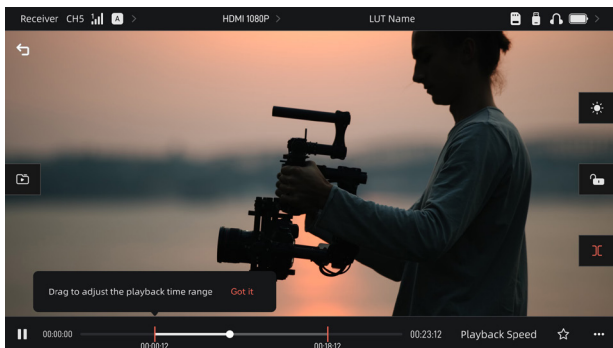
- ① Connect the Sony camera and transmitter via USB cable.
- ② Select [USB Connection Mode] > [Remote Shoot (PC Remote)] in the camera pop-up.

Option 2: Settings First

- ① Navigate to the Sony camera menu: [Network] > [PC Remote Function] > [On].
- ② Connect the camera and transmitter via USB cable.

1. Swipe left to enter the Camera Control template (as shown above).
2. Tap specific parameters on the screen to adjust settings.

Video Playback



1. Region Playback

Tap the region playback button to display a default selection bar on the progress timeline. Adjust the range to monitor specific sections with high precision.

2. Quick Switch

Tap the folder icon to view a list of all recorded videos. Scroll up or down and select a file to switch playback.

3. Playback Speed

Adjust the playback speed to improve monitoring efficiency.

4. Reverse Playback

Play video in reverse to capture precise monitoring details.

5. Favorites

Save favorite video files to a dedicated folder for unified management or processing.

HollyView App

App Installation and Connection

1. App Download

Scan the QR code to download the "HollyView" app.



2. Connection

To connect to the transmitter, 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).

Specifications

Item	Description
Video Input /Output	HDMI 2.0 + 3G-SDI
Antenna Interface	4 × SMA Male
Power Input	DC Input (2.0mm) / V-Mount Battery
Monitoring	3.5mm Headphone Jack
Data Transmission	USB-C 2.0
Screen Size	7.02" Touchscreen
Resolution	1920 × 1200
Aspect Ratio	16:9
△E	≤1.5
Color Gamut	Rec.709 ≥ 99% DCI-P3 ≥ 95%
Contrast Ratio	1000: 1
Brightness	1500 nits
Supply Voltage	10~28V
Power Consumption	TX ≤ 25W / RX ≤ 20W
Net Weight	≤ 630g
Dimensions	180*116*46.2mm (including battery plate)
Operating Frequency	5.1~5.8GHz / 2.412~2.484GHz
Transmission Power	< 24dBm
Receiver Sensitivity	> -80dBm
Display Latency	> 27ms
Transmission Latency	> 20ms
Range	1km
Bandwidth	20MHz / 40MHz (Broadcast Mode)
Operating Temperature	-10°C~45°C
Storage Temperature	-40°C~60°C

Note:

The operating frequency and transmission power vary by country and region. Please refer to local laws and regulations for details.

Specifications

HDMI Input	HDMI Loop Out/Output	SDI Loop Out/Output
4K23.98/24/25/29.97/ 30/50/59.94/60	4K23.98/24/25/29.97/ 30/50/59.94/60	1080p23.98/p24/ p25/p29.97/p30/p50/ p59.94/p60
1080p23.98/p24/ p25/p29.97/p30/p50/ p59.94/p60	1080p23.98/p24/ p25/p29.97/p30/p50/ p59.94/p60	1080p23.98/p24/ p25/p29.97/p30/p50/ p59.94/p60
720p50/p59.94/p60	720p50/p59.94/p60	720p50/p59.94/p60

SDI Input	HDMI Loop Out/ Output	SDI Loop Out	SDI Output
1080p23.98/ p24/p25/ p29.97/p30/ p50/p59.94/p60	1080p23.98/ p24/p25/ p29.97/p30/ p50/p59.94/p60	1080p23.98/ p24/p25/ p29.97/p30/ p50/p59.94/p60	1080p23.98/ p24/p25/ p29.97/p30/ p50/p59.94/p60
1080i50/i59.94/ i60	1080p30/p29.97/ p25	1080i50/i59.94/ i60	1080p30/p29.97/ p25
1080psf25/ psf29.97/ psf30	1080p25/p29.97/ p30	1080i50/i59.94/ i60	1080p25/p29.97/ p30
1080psf23.98/ psf24	1080p23.98/p24	1080p23.98/p24	1080p23.98/p24
720p50/p59.94/ p60	720p50/p59.94/ p60	720p50/p59.94/ p60	720p50/p59.94/ p60

Disclaimer

Safety Precautions

Do not place the device near or inside heating devices (including but not limited to microwave ovens, induction cookers, electric ovens, electric heaters, pressure cookers, water heaters, and gas stoves) to prevent the battery from overheating and exploding. Use the original charger, data cables, and batteries provided with the product. Using unauthorized or incompatible chargers, data cables, or batteries may cause electric shock, fire, explosion, or other dangers.

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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MADE IN CHINA