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HollyView Pyro 7

Hollyland Pyro 7 Wireless Video Transmitter & Receiver & 7-inch Camera Field Monitor User Manual

Model: Pyro 7 | Brand: HollyView

1. INTRODUCTION

The Hollyland Pyro 7 is an advanced all-in-one wireless video transmission system that combines a transmitter, receiver, and a 7-inch camera field monitor into a single compact unit. Designed for professional film production, live streaming, and ENG/EFP applications, it offers robust performance with features like 4K input, auto dual-band hopping, and ultra-low 60ms latency over a 1300ft (400m) range. The device is powered by the new HollyOS, providing enhanced usability and analytical capabilities for dynamic shooting scenarios.



Fuel Your Connections

Pyro 7



The infographic is a grid of 18 feature cards. The top-left card is a large dark grey box with three overlapping semi-transparent boxes labeled 'Transmitter', 'Receiver', and 'Monitor', with the text 'All in one' below them. To the right are two smaller cards: one with a blue and red abstract background and '1500 Nits', and another with a blue and black background and 'Compatible with Pyro Series Up to 4 receivers'. Below these are two more cards: one with a stadium background and '1300FT / 0.06s', and another with a blue and black background and 'Auto Dual-Band Hopping 2.4Ghz & 5Ghz'. The bottom row consists of six cards: '4K 30FPS' with an eye icon, '7 Inch' with a screen icon, 'SDI HDMI' with a camera icon, 'RTMP' with a target icon, 'Recording and Playback SD Card Slot' with a play icon, and 'New Holly OS 15 Auxiliary Tools' with a gear icon. The bottom-right card features the HollyView app logo and 'APP'.

Figure 1: The Hollyland Pyro 7 unit, showcasing its integrated design as a wireless video transmitter, receiver, and 7-inch camera field monitor.

2. WHAT'S IN THE BOX

Please check the contents of your package to ensure all items are present:

- Pyro 7 Wireless Transceiving Monitor *1
- Paddle Antenna (2.4 GHz & 5 GHz) *2
- D-Tap to Locking DC Power Adapter Cable *1
- Secure Digital Memory Card (32G) *1
- USB-C OTG Adapter *1



Figure 2: Visual representation of the items included in the Hollyland Pyro 7 package.

3. KEY FEATURES

The Hollyland Pyro 7 offers a range of powerful features to enhance your video production workflow:

- **All-in-One Solution:** Functions as a transmitter, receiver, and monitor in a single compact unit.
- **Enhanced Display:** Features a 7-inch high-brightness display with 1500 nits for superior visibility in various lighting conditions, powered by the new HollyOS.
- **Low Latency & Extended Range:** Provides real-time video transmission with an impressively low latency of 60ms and a range of up to 1,300ft (400m).
- **4K Input & Auto Dual-Band Hopping (ADH):** Supports 4K video inputs and operates seamlessly across 2.4GHz and 5GHz frequencies, dynamically selecting from 8 frequency points to minimize interference.
- **Dual View Quick Switch & Video Recording:** Allows swift switching between two camera feeds and supports up to 40 minutes of recording on a 32G SD card.
- **Versatile Connectivity & Live Streaming:** Includes HDMI and SDI input/output, and RTMP capabilities for direct live streaming to platforms like YouTube Live and Twitch.

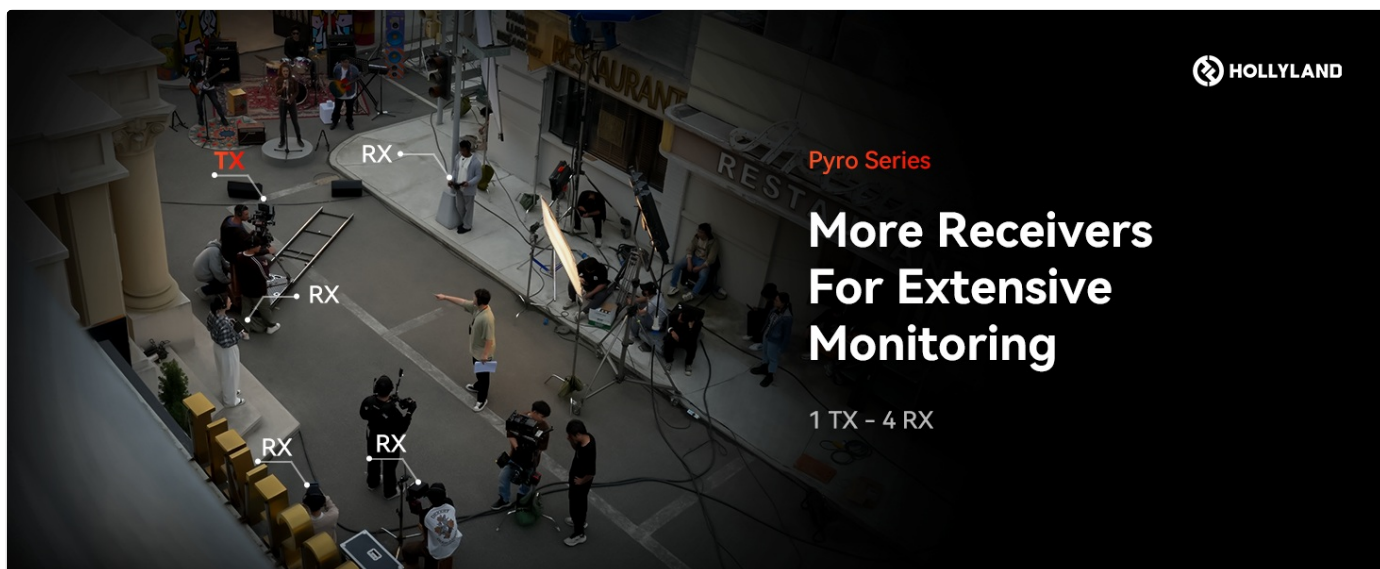


Figure 3: A comprehensive graphic highlighting the core features of the Hollyland Pyro 7, such as its 7-inch 1500-nit display, 4K input, 1300ft range, and HollyOS.

Video 1: An overview of the Hollyland Pyro 7, detailing its functionalities and applications in video production.

Video 2: An introduction to the Hollyland Pyro Series, explaining its capabilities and position within the product line.

4. SETUP

Follow these steps to set up your Hollyland Pyro 7:

1. **Attach Antennas:** Screw the two paddle antennas onto the designated ports on the top of the Pyro 7 unit.
2. **Power Connection:** Connect the D-Tap to Locking DC Power Adapter Cable to the DC IN port (10-18V) on the side of the unit. Alternatively, use compatible NP-F batteries (not included) with the integrated battery plate.
3. **Video Input:** Connect your camera's HDMI or SDI output to the corresponding HDMI IN or SDI IN port on the Pyro 7.
4. **Video Output (Optional):** If you need to loop out the video signal to another monitor, connect an HDMI or SDI cable from the HDMI OUT/Loopout or SDI OUT/Loopout port.
5. **Audio Monitoring (Optional):** Connect headphones to the 3.5mm Headset Port for audio monitoring.
6. **Power On:** Press and hold the power button until the screen illuminates.

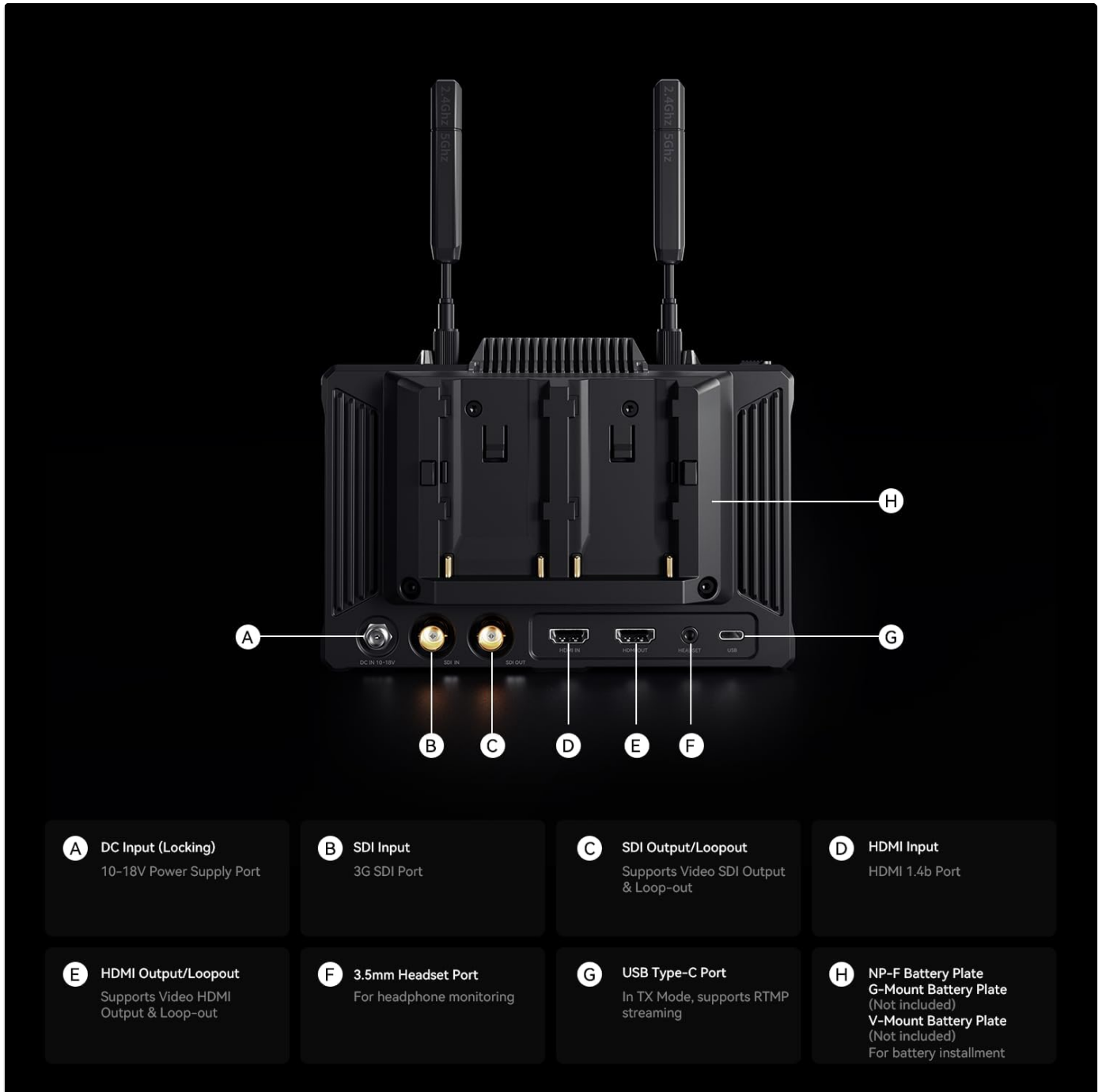


Figure 4: A clear diagram illustrating all input and output ports on the Hollyland Pyro 7 for easy connection.

5. OPERATING INSTRUCTIONS

5.1. HollyOS Interface and Monitoring Tools

The Pyro 7 features an intuitive touch-controlled HollyOS interface. Swipe and tap to access various monitoring tools and settings. Key tools include:

- **Waveform:** Analyzes the luminance and chrominance levels of your video signal.
- **Vectorscope:** Displays the color information of your video signal.
- **Histogram:** Shows the distribution of tones in your image.
- **Focus Assist:** Highlights in-focus areas for precise focusing.
- **Zebra Pattern:** Indicates overexposed areas.
- **False Color:** Helps in setting proper exposure by displaying different exposure levels in distinct colors.
- **3D LUT:** Supports 16/17/32/33/64/65 cube files for custom color grading.
- **Image Overlay:** Allows overlaying images for scene restoration or replication.



Figure 5: The HollyOS interface on the Pyro 7, showing a live feed with various professional monitoring tools activated.

Video 3: A demonstration of the HollyOS features, including waveform, focus assist, zebra pattern, false color, and 3D LUTs.

5.2. Auto Dual-Band Hopping (ADH)

The Pyro 7 utilizes ADH technology to ensure stable and uninterrupted video transmission. It automatically scans and selects the best frequency points across 2.4GHz and 5GHz bands to minimize interference. This feature is crucial for high-stakes live productions and filmmaking.

Auto Dual-Band Hopping

With ADH technology, it operates seamlessly across 2.4GHz and 5GHz frequencies, dynamically selecting from 8 frequency points to minimize interference.



Figure 6: Illustration of the Auto Dual-Band Hopping technology, showing dynamic frequency selection for optimal signal stability.

5.3. Dual View Quick Switch

Enhance on-set efficiency with the F1 and F2 buttons, allowing users to swiftly switch between two camera feeds from different transmitters. This functionality facilitates seamless monitoring and decision-making in multi-camera setups.

RTMP Streaming

With RTMP (Real-Time Messaging Protocol), just input your wireless key and connect your wireless network card to easily stream video to popular live broadcasting or conferencing platforms like Zoom, YouTube Live, Twitch/TikTok Live, and others, Pyro 7 will offer you a straight-forward and convenient live streaming experience.

Figure 7: The F1 and F2 buttons on the Pyro 7, enabling quick switching between two distinct camera feeds.

5.4. Video Recording

The Pyro 7 comes equipped with a 32G SD card, supporting up to 40 minutes of recording. This feature enables extended capture of high-quality footage without interruption, ideal for on-site monitoring and review.

Lighter, Stronger, Stiffer

The shell of Pyro 7 is made of aerospace-grade magnesium-aluminum alloy, which is more robust, rigid, 30% lighter, and better at heat dissipation than aluminum-only models.

Figure 8: A hand inserting an SD card into the Pyro 7, demonstrating its video recording functionality.

5.5. RTMP Streaming

With RTMP (Real-Time Messaging Protocol) capabilities, the Pyro 7 simplifies live streaming. You can directly broadcast to popular platforms like YouTube Live and Twitch, making it perfect for real-time content delivery. Connect via USB-C OTG adapter to a mobile phone with the HollyView APP.

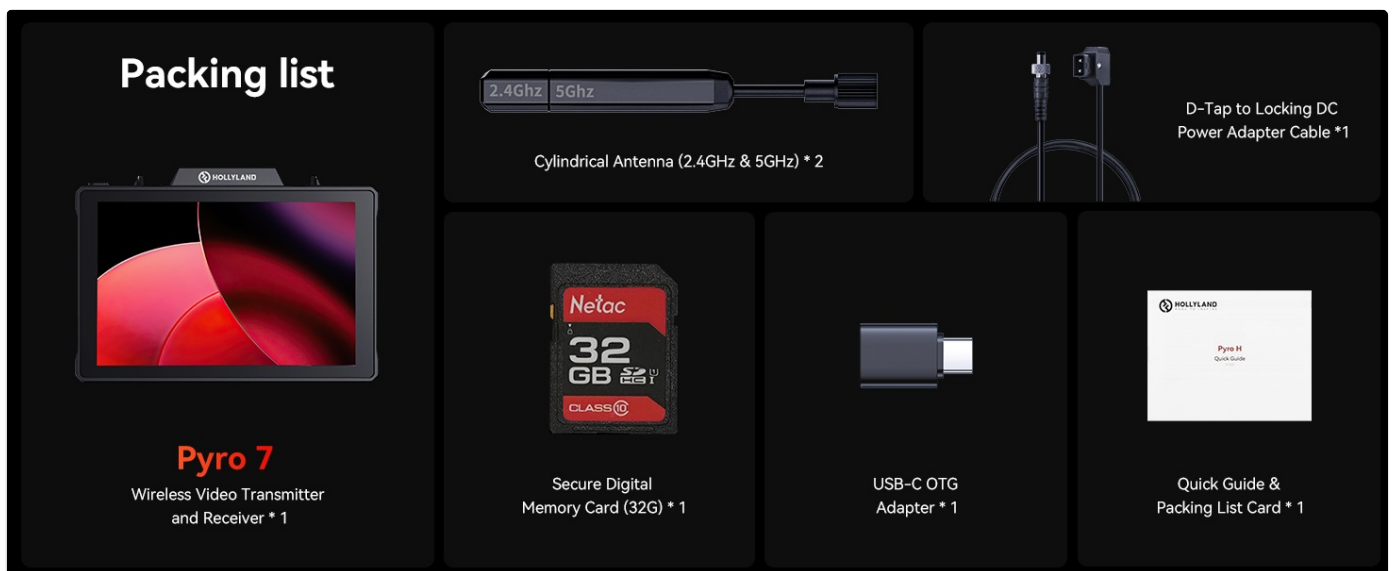


Figure 9: A diagram illustrating the RTMP streaming workflow using the Pyro 7, a mobile phone, and the HollyView app to broadcast to online platforms.

6. MAINTENANCE

To ensure the longevity and optimal performance of your Hollyland Pyro 7, follow these maintenance guidelines:

- **Cleaning:** Use a soft, dry cloth to clean the exterior of the unit. For the screen, use a microfiber cloth specifically designed for electronics. Avoid abrasive cleaners or solvents.
- **Storage:** When not in use, store the Pyro 7 in a cool, dry place, away from direct sunlight and extreme temperatures. Use the provided carrying case for protection during transport.
- **Battery Care:** If using external batteries, ensure they are charged and stored according to the manufacturer's recommendations. Remove batteries if the unit will not be used for an extended period.
- **Antenna Care:** Handle antennas with care to prevent bending or damage. Ensure they are securely fastened during operation.

7. TROUBLESHOOTING

If you encounter issues with your Hollyland Pyro 7, refer to the following common troubleshooting steps:

- **No Power:**
 - Check power cable connections and ensure the power source is active.
 - If using batteries, ensure they are fully charged and correctly inserted.
- **No Video Signal:**
 - Verify that HDMI/SDI cables are securely connected to both the camera and the Pyro 7.
 - Ensure the camera's video output settings match the Pyro 7's input capabilities (e.g., resolution, frame rate).
 - Check if the correct input source is selected on the Pyro 7 monitor.
- **Unstable Wireless Transmission:**
 - Ensure antennas are properly attached and oriented.
 - Minimize obstacles between the transmitter and receiver.
 - Utilize the Auto Dual-Band Hopping (ADH) feature to find a clear channel.
 - Avoid operating near other strong wireless interference sources.
- **Touchscreen Unresponsive:**

- Restart the device.
- Ensure the screen is clean and free from moisture or debris.

If the issue persists, please contact HollyView customer support for further assistance.

8. SPECIFICATIONS

Feature	Specification
Product Dimensions	8.75 x 6.65 x 3.25 inches
Item Weight	2.18 pounds
Item Model Number	Pyro 7
Brand	HollyView
Connectivity Technology	HDMI, SDI, Type-C, Wi-Fi
Controller Type	Touch Control
Special Features	4K Input & Auto Dual-Band Hopping, 7 Inch & 1500Nits, All-in-One Solution & Enhanced Display, Dual View Quick Switch & Video Recording
Compatible Devices	Any camera with an HDMI & SDI output, Camera, Pyro H, Pyro S
Connector Type	HDMI, SDI
Audio Output Mode	Stereo
Video Encoding	H.264, H.265/HEVC
Number of Channels	4
Control Method	App, Touch

9. WARRANTY AND SUPPORT

The Hollyland Pyro 7 comes with a standard return policy of 30 days. For specific warranty details, including coverage and duration, please refer to the warranty card included with your product or visit the official HollyView website.

For technical support, troubleshooting assistance, or service inquiries, please contact HollyView customer support through their official channels. You can often find contact information on the manufacturer's website or in the product packaging.

Online Resources:

- Visit the Hollyland Official Store on Amazon for product information and updates.