

Accsoon WIT04-HE

Accsoon CineView HE Wireless Video Transmitter & Receiver User Manual

Model: WIT04-HE

1. INTRODUCTION

Thank you for choosing the Accsoon CineView HE Wireless Video Transmitter and Receiver. This system is designed to provide stable and high-quality wireless video transmission for professional and enthusiast videographers. It features dual-band transmission, ultra-low latency, and UVC output for direct live streaming. Please read this manual thoroughly before operating the device to ensure proper use and optimal performance.

2. SAFETY INFORMATION

- Do not expose the device to water or excessive humidity.
- Avoid dropping or subjecting the device to strong impacts.
- Do not disassemble or attempt to repair the device yourself. Refer to qualified service personnel.
- Use only recommended power sources and accessories.
- Ensure proper ventilation to prevent overheating.

3. PACKAGE CONTENTS

The Accsoon CineView HE package includes the following items:

- 1 x CineView HE Transmitter
- 1 x CineView HE Receiver
- 2 x Cold Shoe Mounts
- 9 x Antennas

Lightweight and Easy to Carry

Each dimension: 4.13x2.6x1.3 inch (Antennas not included)
200g (Antennas included)



Note: Batteries and charging cables are not included

Figure 3.1: Accsoon CineView HE Transmitter, Receiver, Antennas, and Cold Shoe Mounts.

The image above displays the complete contents of the Accsoon CineView HE package, including the main transmitter and receiver units, multiple antennas for robust signal transmission, and two cold shoe mounts for easy attachment to camera rigs or other accessories. Please note that batteries and charging cables are not included.

4. PRODUCT OVERVIEW

The Accsoon CineView HE system consists of a transmitter (TX) and a receiver (RX), both designed for compact and efficient operation.



Figure 4.1: Front and back view of the Accsoon CineView HE Transmitter and Receiver.

The transmitter and receiver units feature a robust design with multiple antenna ports for enhanced signal stability. The front panel includes an OLED screen for displaying status information such as resolution, frame rate, channel, and battery level. Control buttons allow for navigation and settings adjustment. The rear panel provides regulatory information and serial numbers.



Figure 4.2: HDMI and UVC ports on the CineView HE units.

The transmitter unit is equipped with one HDMI input and one HDMI loop-out port, allowing you to connect your camera and simultaneously output the signal to a local monitor. The receiver unit features an HDMI output and a UVC (USB Video Class) output, enabling direct connection to a computer for live streaming without additional capture cards.

5. SETUP

5.1 Attaching Antennas

Screw all nine antennas firmly onto their respective ports on both the transmitter and receiver units. Ensure they are securely tightened for optimal signal performance.

5.2 Powering the Devices

The CineView HE units can be powered via multiple methods:

- **NP-F Battery:** Attach a compatible NP-F series battery to the battery plate on the rear of each unit. A single NP-F970 battery can provide up to 12 hours of operation.
- **DC Power:** Connect a DC power adapter (7.4V - 16.8V) to the DC input port.
- **USB-C Power:** The receiver unit can be powered via its USB-C port, which is separate from the UVC video output. This allows for continuous operation during live streaming.

HDMI In & Out

Work with most HDMI Devices, easy to connect
HDMI loop-out has been upgraded to zero-latency lossless output



Figure 5.1: Power and HDMI ports on the CineView HE units.

The image above highlights the various input and output ports on the CineView HE units, including the HDMI input and output, and the UVC output. The power input options are versatile, supporting NP-F batteries, DC power, and USB-C for the receiver.

5.3 Connecting to Camera and Monitor

1. Connect your camera's HDMI output to the HDMI IN port on the CineView HE Transmitter.
2. If desired, connect a local monitor to the HDMI OUT (loop-out) port on the Transmitter to view the camera feed directly.
3. Connect the HDMI OUT port on the CineView HE Receiver to your desired monitor or recorder.

6. OPERATING

6.1 Dual-Band Transmission

The CineView HE utilizes 2.4GHz and 5GHz dual-band transmission technology to ensure a stable and reliable wireless video signal. This technology minimizes interference and signal drops, providing a robust connection even in challenging environments.

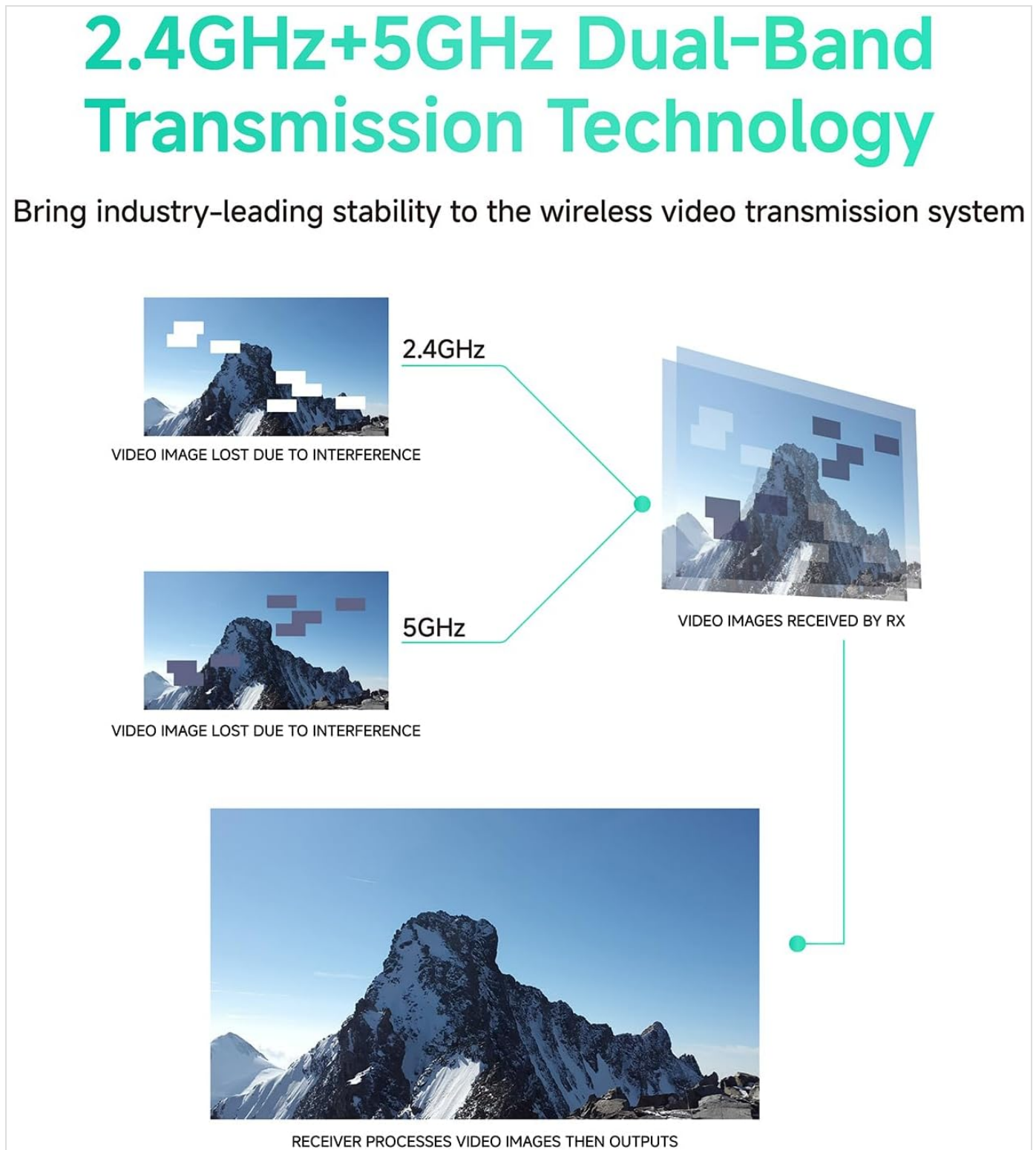


Figure 6.1: Dual-Band Transmission Technology.

This diagram illustrates how the dual-band technology combines signals from both 2.4GHz and 5GHz frequencies to ensure a stable video image, even when one band experiences interference. The receiver processes both signals to output a clean, uninterrupted video feed.

6.2 Range and Latency

The system offers an impressive transmission range of up to 1200 feet (350 meters) with an ultra-low latency of less than 0.06 seconds. This makes it suitable for various professional applications requiring real-time monitoring.



Figure 6.2: Transmission Range and Latency.

The image highlights the key performance metrics of the CineView HE: a long transmission range of 1200 feet (350 meters) and an extremely low latency of 0.06 seconds, crucial for professional video monitoring and live production.

6.3 Connecting to Multiple Devices

The CineView HE transmitter can send video and audio to up to four receiving devices simultaneously. This includes a mix of standard CineView receivers and iOS/Android mobile devices running the Accsoon SEE App.

One Transmitter for Four Devices

Mix And Match



Figure 6.3: One Transmitter for Four Devices.

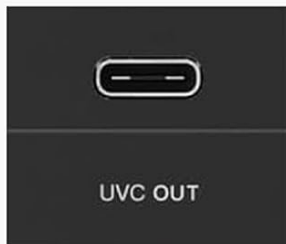
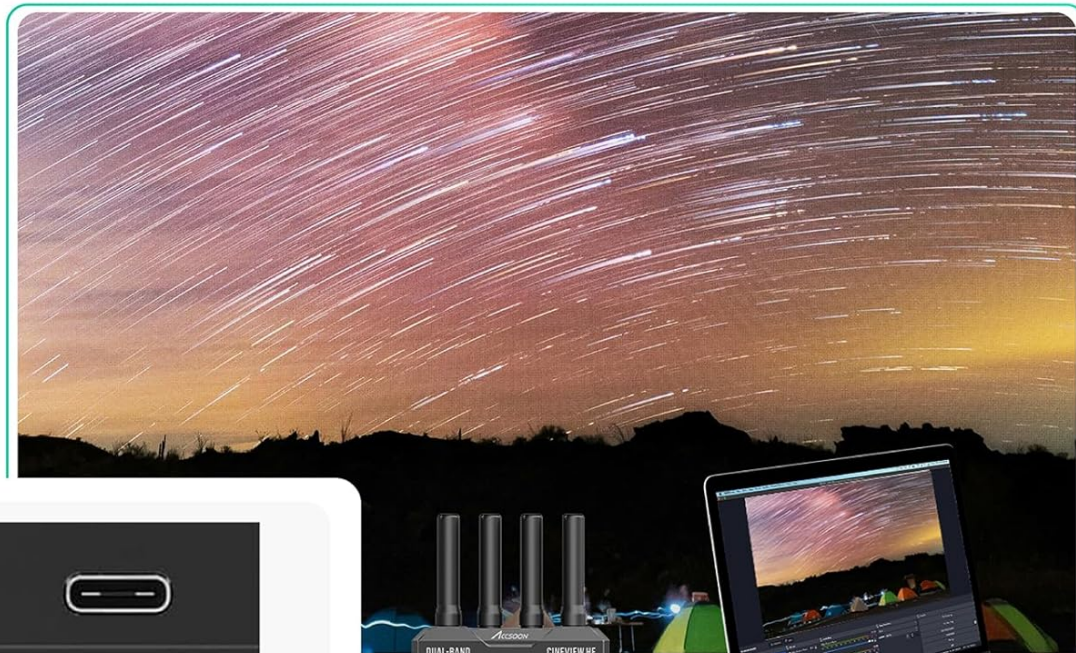
This visual guide demonstrates the flexibility of the CineView HE system, allowing a single transmitter to broadcast to multiple devices simultaneously. This setup supports various monitoring configurations, from dedicated HDMI monitors to mobile devices running the Accsoon SEE app, facilitating collaborative workflows on set.

6.4 UVC Out for Live Streaming

The receiver's UVC output simplifies live streaming. Connect the receiver to a computer via a USB-C cable (user-provided), and the computer will recognize it as a webcam. This allows direct streaming to platforms like OBS, YouTube, and Zoom without needing an additional video capture device.

UVC Out for Livestreaming

A new USB-C port on receiver for live streaming directly,
No additional video capture devices needed



*NOTE: USB-C CABLE NOT INCLUDED

Figure 6.4: UVC Out for Livestreaming.

The image illustrates the direct live streaming capability of the CineView HE receiver. By connecting the receiver to a computer via its UVC output, users can easily stream high-quality video to popular platforms such as Facebook, YouTube, and OBS, eliminating the need for complex video capture setups.

6.5 Accsoon SEE App Features

The Accsoon SEE App (available for iOS and Android) provides a comprehensive suite of monitoring tools for your mobile devices. These tools include RGB, Histogram, Waveform, Focus Peaking, LUTs, Zebra, False Color, Distort, Audio meters, Grids, Overlay, Marker, Display options, Gray scale, Mirror, and Screenshots.

Multiple APP Functions

Monitor on iOS or Android



Accsoon SEE



RGB



Histogram



Waveform



Focus



LUTs



Zebra



False Color



Distort



Audio



Grids



Overlay



Marker



Display



Gray



Mirror



Screenshots



Overlay



Distort



Live Streaming



LUTs

Figure 6.5: Multiple APP Functions in Accsoon SEE.

This image showcases the extensive range of monitoring functions available within the Accsoon SEE App, accessible on both iOS and Android devices. These professional tools, such as waveform, histogram, and false color, provide critical visual feedback for precise exposure and focus control during shooting.

6.6 Automatic Channel Selection

The CineView HE automatically selects the channel with the least interference when powered on, ensuring the most stable connection possible without manual intervention.

In the Box



Figure 6.6: Automatic Channel Selection.

The display on the CineView HE unit indicates its automatic channel selection feature, which intelligently identifies and utilizes the clearest frequency to minimize interference and maintain a strong, stable connection for video transmission.

Video 6.1: Accsoon CineView HE Wireless Video Transmitter and Receiver Overview. This video provides a comprehensive overview of the CineView HE system, demonstrating its key features and applications in a production environment.

Video 6.2: Accsoon SEE App 1.7.3 Update. This video details the new features and improvements in the Accsoon SEE App, including enhanced multi-transmitter experience and audio source selection.

7. MAINTENANCE

- Keep the devices clean and free from dust. Use a soft, dry cloth for cleaning.
- Store the units in a cool, dry place when not in use.
- Regularly check antenna connections for tightness.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
No video signal	Loose HDMI cable, incorrect input/output, low battery, interference.	Check all HDMI connections. Ensure correct ports are used. Recharge/replace batteries. Change channel or location.
Signal drops/unstable	Excessive distance, strong interference, obstacles.	Reduce distance between TX/RX. Move away from other wireless devices. Ensure clear line of sight.
UVC not recognized	Incorrect USB-C cable, driver issue, port issue.	Use a data-enabled USB-C cable. Try a different USB port on computer. Restart computer.

9. SPECIFICATIONS



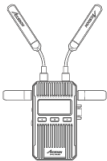
- **Model:** WIT04-HE
- **Product Dimensions:** 4.92 x 3.03 x 1.22 inches
- **Item Weight:** 7.8 ounces
- **Connectivity Technology:** HDMI





- **Special Feature:** UVC Livestreaming
- **Compatible Devices:** Smartphone
- **Total HDMI Ports:** 4 (1 TX In, 1 TX Out, 1 RX Out, 1 RX UVC)
- **Audio Output Mode:** Stereo
- **Video Encoding:** H.264

10. WARRANTY AND SUPPORT

Accsoon products come with a standard manufacturer's warranty. For detailed warranty information, technical support, or service inquiries, please visit the official Accsoon website or contact their customer service directly. Keep your purchase receipt as proof of purchase for warranty claims.

Related Documents - WIT04-HE

<div><div>CineView SE</div><div> User Manual</div><div> v1.0</div></div>	<div>Accsoon CineView SE Wireless Video Transmission System User Manual</div> <div>User manual for the Accsoon CineView SE wireless video transmission system, detailing features, specifications, installation, operation, and troubleshooting for professional video production.</div>
<div><div></div><div><div>Accsoon</div>CineView 2 SDI</div><div>User Manual</div><div><input type="checkbox"/></div></div>	<div>Accsoon CineView 2 SDI User Manual</div> <div>User manual for the Accsoon CineView 2 SDI wireless video transmission system, detailing product features, specifications, setup, operation, and troubleshooting.</div>

	<p>Accsoon CineView Master 4K User Manual</p> <p>Comprehensive user manual for the Accsoon CineView Master 4K Tri-Band 4K60 wireless video transmission system, detailing setup, features, specifications, operation via the Accsoon SEE App, and troubleshooting.</p>
	<p>Accsoon CineEye 2S Pro User Manual: Features, Operation, and Specifications</p> <p>Explore the Accsoon CineEye 2S Pro, a professional wireless video transmission system. This user manual covers product features, installation, operation, specifications, warranty, and troubleshooting for the CineEye 2S Pro transmitter and receiver.</p>
	<p>Accsoon CineEye II Pro User Manual: Wireless Video Transmitter & Receiver Guide</p> <p>Comprehensive user manual for the Accsoon CineEye II Pro wireless video transmission system. Learn about product features, setup, operation, specifications, warranty, and troubleshooting.</p>
	<p>Accsoon CineEye 2S Wireless Video Transmitter User Manual</p> <p>User manual for the Accsoon CineEye 2S, a wireless video transmitter system featuring 5GHz WiFi, low latency, SDI/HDMI inputs, and support for professional monitoring apps. Includes product features, specifications, operating instructions, warranty, and troubleshooting.</p>