



CineView Master 4K **Lite**

For Production Masters

User Manual

v1.0

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01/In the Box

TX/RX Kit



CineView Master
4K Lite Transmitter X1



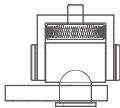
CineView Master
4K Lite Receiver X1



5GHz
Antenna X 4



2.4GHz
Antenna X 4



Cold Shoe Mount
Adapter X2



User Manual X1

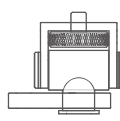


Allen Key X1

TX Only Package



CineView Master
4K Lite Transmitter x1



Cold Shoe Mount
Adapter x1



5GHz
Antenna x2



2.4GHz
Antenna x2



User Manual x1

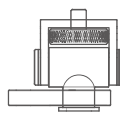


Allen Key x1

RX Only Package



CineView Master
4K Lite Receiver x1



Cold Shoe Mount
Adapter x1



5GHz
Antenna x2



2.4GHz
Antenna x2



User Manual x1



Allen Key x1

02 / Product Description

Thank you for choosing Accsoon CineView Master 4K Lite.

CineView Master 4K Lite is a Dual-Band 4K60 wireless video transmission system for enhanced stability, with 60ms [1] low latency and 350 meters range. It delivers ultra-high definition wireless video with fully end-to-end 4K60 capabilities.

In addition to SDI/HDMI monitoring, the Accsoon SEE App supports wireless connections on mobile devices, offering professional monitoring features and the capability to upload recorded clips to cloud platforms. The newly added wired USB transmission connection on both transmitter and receiver allows a connected mobile device to a fully capable professional monitor, significantly enhancing on-site monitoring flexibility. One set of wireless transmission that meets diverse needs.

- TX: SDI Input, HDMI Input, HDMI Loop-out
- Convert SDI Input Signal on TX to HDMI Output Signal on RX [4]
- Convert HDMI Input Signal on TX to SDI Output Signal on RX
- RX: SDI and HDMI Output Simultaneously [4]
- Monitoring on Up to 5 Devices
- Monitoring on Accsoon SEE App
- High Performance A/V Processor
- Powered by DC Input and NP-F Battery
- Compatible with Accsoon V-Mount Battery Adapter
- Intelligent, Quiet Heat Dissipation
- Aerospace Grade Aluminum Alloy
- 1.05-inch Full-color LCD Display

[1] Measured when shooting 1080p/60fps video under low bitrate.

[2] Measured when shooting 1080p/60fps video under low bitrate with FCC compliance in an unobstructed, interference-free environment.

[3] Please check the camera control compatible model list on Accsoon's official website.

[4] SDI output supports up to 1080p60 only. When the transmitter input is 4K, the SDI output is disabled, please use HDMI for 4K output.

03 / Product Features

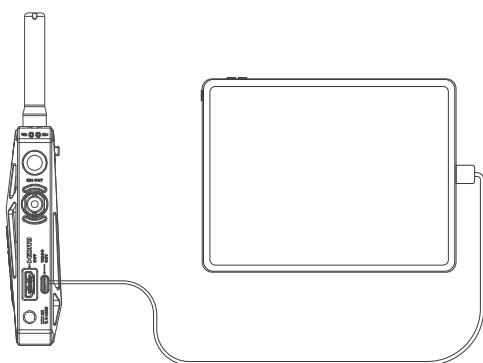
- End to End True 4K60 Transmission
- Dual-band (2.4GHz+5GHz) + DFS Wireless Transmission Technology
- 60ms Low Latency [1]
- 350m Transmission Range [2]
- Camera Control [3]
- USB Video Output on TX and RX

04 / Applications

Accsoon CineView Master 4K Lite can transmit to up to 5 devices simultaneously – a combination of 1 wired connection and 4 wireless connections.

4.1 USB Wired Transmission

Both CineView Master 4K Lite's transmitter and receiver include a USB-C video output port capable of transmitting both video and audio signals to mobile devices while simultaneously powering the connected device (5V/3A) via cable connection.



4.2 Wireless Transmission

TX Transmission

The CineView Master 4K Lite transmitter is capable of wirelessly transmitting video and audio signals to compatible Accsoon receivers, as well as to mobile devices via Wi-Fi.

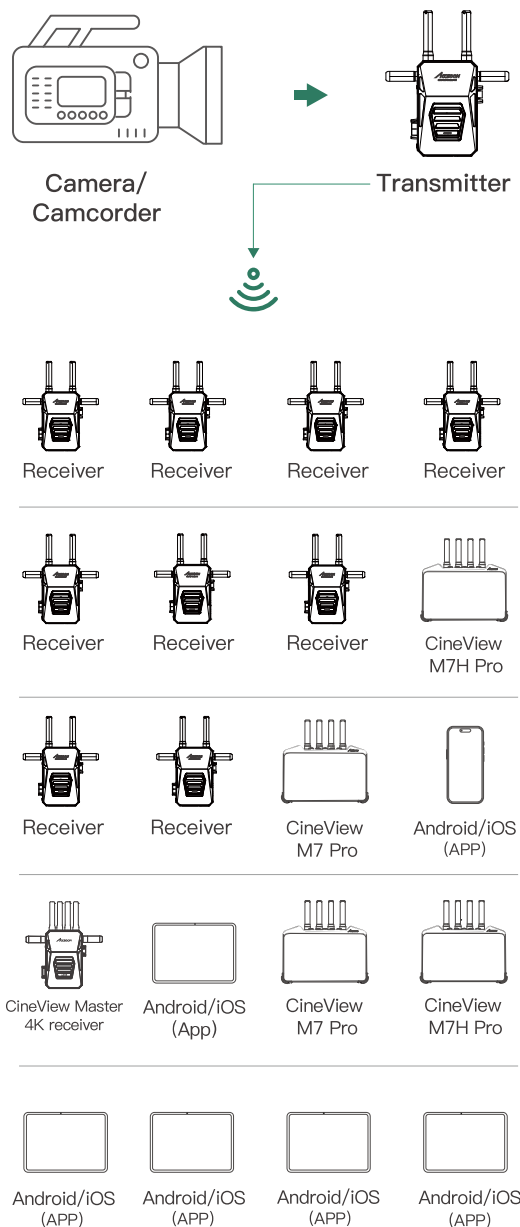
Compatible Receivers:

CineView Master 4K Lite receiver, CineView Master 4K receiver, CineView M7 Pro, CineView M7H Pro, Android phone/tablet, iPhone/iPad, MacBook (M1/M2/M3 Chip)

Number of simultaneous connections: 4.

Receivers and mobile devices can be freely mixed and matched.

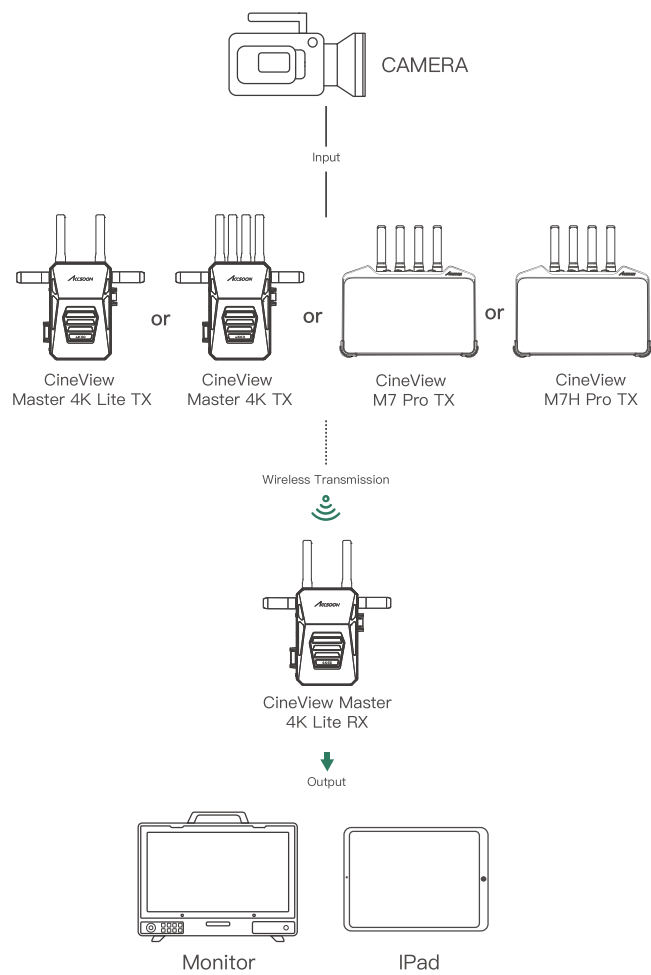
Below are several typical usage scenarios:



RX Reception

The CineView Master 4K Lite receiver wirelessly receives video and audio signals from supported transmitters and outputs them via HDMI, SDI, or USB to monitors and mobile devices.

Compatible Transmitters: CineView Master 4K Lite transmitter, CineView Master 4K transmitter, CineView M7 Pro (TX Mode), and CineView M7H Pro (TX Mode).



4.3 Dual Video Stream Introduction

CineView Master 4K Lite transmitter is capable of encoding up to two streams at the same time.

Stream 1 (4K/1080p) is used for all wireless monitoring purposes, including compatible wireless receivers, RX wired USB transmission, and wireless mobile device monitoring. Stream 2 (1080p) is used only for TX wired monitoring, it offers a superior bitrate and minimal latency, turning the connected mobile device into a professional on-camera monitor.

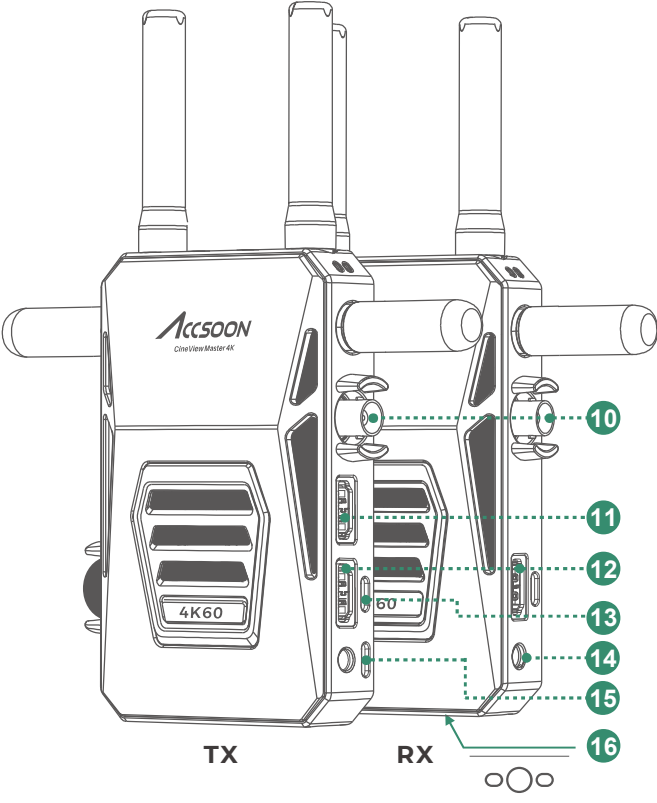
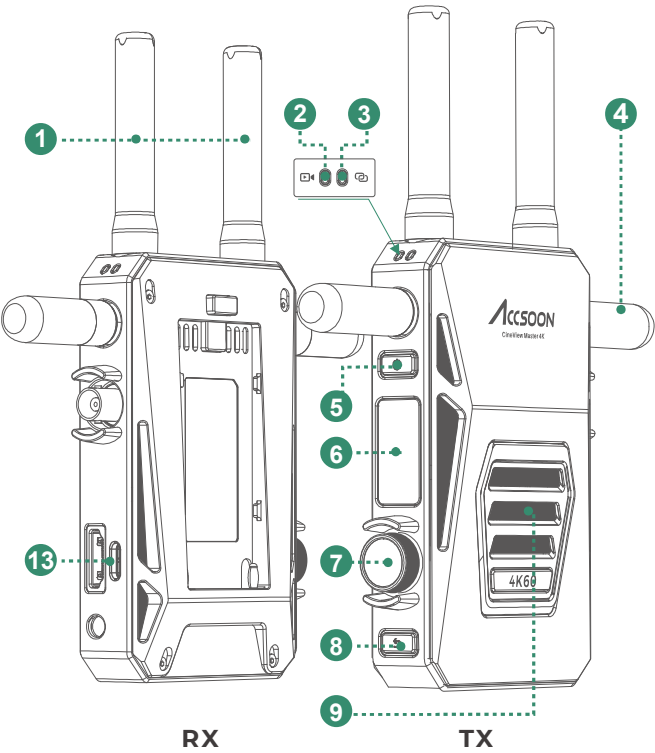
- ① **Stream 1 (4K/1080p)**
- The main wireless video stream, balancing resolution, latency and transmission.
 - Resolution up to 4K60, used for wireless and RX wired USB transmission.
- ② **Stream 2 (1080p)**
- Resolution up to 1080p60, used only for TX wired USB transmission.
 - Monitor, stream, record, and upload 1080p videos with superior bitrate.

Input Video	Video Stream	Wireless Receiver / RX Wired USB Transmission	Wireless Mobile Device	Wired USB Transmission
4K	Stream 1 (4K)	✓	✓	✓ ^[5]
	Stream 2 (1080p)	x	x	✓ ^[5]
1080p	Stream 1 (1080p)	✓	✓	x
	Stream 2 (1080p)	x	x	✓

[5] You can manually switch the video stream with "Resolution Priority" setting when monitoring with TX wired USB Transmission.

05 / Quick Start

5.1 Introduction



① 5GHz Antennas

② Video Input Indicator

When powered on, the indicator will briefly light up.

When in use, the indicator turns on to indicate that a video input is detected, and turns off to indicate no video input detected.

③ Connection Status Indicator

When powered on, the indicator will briefly light up.

When in use, the indicator turns on to indicate that a receiver or mobile device is connected, and turns off to indicate no connection.

④ 2.4GHz Antennas

⑤ Power On/Off Button

Press 1 second to power on. Press and hold for 3 seconds to power off.

⑥ Full-Color LCD Display

Display device status and menu settings.

⑦ Menu/OK Knob

Rotate and press the knob to browse and modify menu settings.

Rotate: Browse menu pages and settings.

Short Press: Confirm selections.

⑧ Return Button

Return to the previous page, or cancel selection.

⑨ Air Intake

Note: Please don't block the air intake to ensure optimal performance.

⑩ 3G SDI

Transmitter: Input the SDI video signal.

Receiver: Output the SDI video signal.

⑪ HDMI In

Input HDMI video source.

⑫ HDMI Out

Transmitter: Loop out the video from the HDMI input to other devices.

Receiver: Output HDMI video signal.

⑬ VIDEO OUT

Transmitter: Wired USB video output port. Output video to mobile devices.

Receiver: Wired USB video output port. Output wirelessly received video to mobile devices.

⑭ DC Power Input

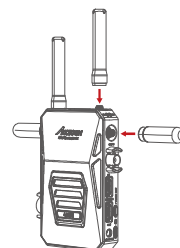
⑮ Camera Control Port

USB-based camera control port. Connect to supported cameras for remote control.

⑯ Anti-rotation 1/4" Screw Hole

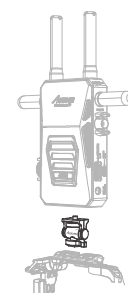
5.2 Antenna Installation

As shown, install the 5GHz antennas on the top of the CineView Master 4K Lite, and the 2.4GHz antennas on the sides.



5.3 Mounting

Mount the CineView Master 4K Lite to the camera or other device using cold shoe mount or other mounting accessories.



5.4 Power Supply

CineView Master 4K Lite supports NP-F series batteries and DC power supply. The power supply system supports hot-swapping, i.e., when DC power is supplied, the NP-F batteries can be replaced without powering down the device and vice versa.

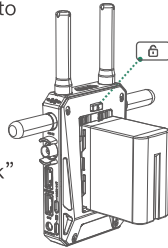
NP-F Batteries

To install the NP-F970/F750/F550 batteries into the CineView Master 4K Lite:

Insert the battery into the slot at the back of the CineView Master 4K Lite as shown in the illustration.

Push down on the battery until you hear a “click” sound, ensuring it is securely installed.

To remove the battery, press the battery lock and pull the battery out.



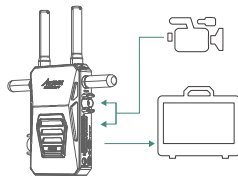
DC Power

Please use the corresponding DC adapters:

- Connector: 5.5mm x 2.1mm.
- Input Voltage: 7.4–16.8V.
- Center Positive.
- Output current should be no less than 2A.
- It is recommended to use a 9V/2A or 12V/2A DC adapter.

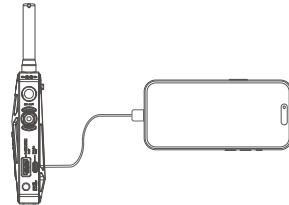
5.5 Connection

Use SDI or HDMI cables to connect the CineView Master 4K Lite with camera and other monitoring devices.



5.6 Wired USB Video Output

Please use a USB-C to USB-C or Accsoon’s proprietary USB-C to Lightning cable to connect the VIDEO-OUT port to your mobile device for wired video transmission.



- Mobile Device with USB-C Port: Connect using USB-C to USB-C cable. (sold separately)
- Mobile Device with Lightning Port: Connect using USB-C to Lightning cable. (sold separately)



USB-C to
USB-C cable



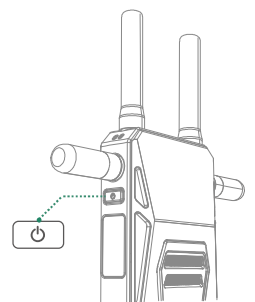
USB-C to
Lightning cable

1. Only the Accsoon proprietary USB-C to Lightning cable can be used for connecting the CineView Master 4K Lite’s transmitter and receiver to mobile devices.
2. Connection cables are not included in the box, accessories outside of the included items need to be purchased by the user.

5.7 Power On/Off

Power On: Press the power button for 1 second, the LCD screen and both indicator lights will turn on.

Power Off: Press and hold the power button for 3 seconds to power off.



5.8 Group Setting

Please pair the transmitter and receiver(s) before use. (refer to 6.3 Group Setting/Pairing).

06 / Transmitter Settings

6.1 Transmitter UI Instruction

Home Page

Displays the current operating status of the transmitter.

① Battery Level/Power Supply Status

Display the battery level of the current battery in use.
Display a powering icon when DC power is connected.

② Connected Devices

Display the number of connected devices.
If no devices are connected, display "0".

③ Current Frequency Operating Status

Yellow: The current frequency is enabled.
Grey: The current frequency is disabled.

④ Current Group

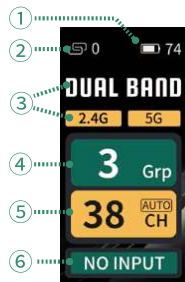
Current group of the transmitter. A total of 16 groups can be selected.

⑤ 5GHz Wi-Fi Operating Channel

Current 5GHz Wi-Fi operating channel. "AUTO" indicates automatic channel selection.

⑥ Video Input Information

Display the resolution and frame rate of current video input.
Display "NO INPUT" when no video input is detected, with the icon turning grey and flashing.



Wi-Fi Information

Displays current Wi-Fi information and menu settings.

① 5GHz Operating Channel

Display and set current 5GHz Wi-Fi operating channel.

② Current Group

Display and set group information of the transmitter.



③ Region Code

Display and set region code of the transmitter.

④ Reset

Network reset.

⑤ Wi-Fi Name

Current 5GHz Wi-Fi name of the transmitter. To change the Wi-Fi name and password, Please use Accsoon SEE App.

Audio/Video Information

① Video Encoding Format Information

Display current input video's resolution, frame rate and current encoding standard.
This setting cannot be changed.

② Video Input Status

Green indicates video input detected.
Grey indicates no video input.

③ Audio Input Status

Green indicates audio input detected.
Grey indicates no audio input.

④ Wireless Bitrate Setting

Display and set the wireless video transmission bitrate from 1-12, maximum 12.

⑤ Wired USB Bitrate Setting

Display and set the TX wired USB video transmission bitrate from 1-12, maximum 12.

⑥ VBR/CBR Setting

Choose and select CBR or VBR in accordance with different applications.

⑦ Codec Type Setting

Select H.265 or H.264 encoding codec in accordance with different applications.



System Information

- ① Fan Speed.
- ② Device Temperature.
- ③ Fan Mode Setting.



Device Information

- ① Device Name.
- ② Current Firmware Version.



6.2 Channel Setting

- 1. The Channel Setting is available exclusively on the transmitter.
- 2. By default, the channel setting is set to Automatic (A). Once powered on, the CineView Master 4K Lite will automatically select the channel with the least interference based on the current wireless environment.

- ⚠ 1. It is recommended that users do not modify this setting.
- 2. The available channels will be different according to RF regulations in different countries and regions.
- 3. In the “Channel Setting” page, channels with green background stand for current selected channel, and channels with “DFS” stand for DFS channels.

How to:

Rotate the knob to enter the “Wi-Fi INFO” page → Press the knob to select 165 3G → Press the knob again to enter the “Channel Setting” page → Rotate the knob to select the channel → Press the knob to confirm → When the device indicates to reboot, click “Yes” → Reboot prompt displays, click “Yes” → The transmitter will reboot automatically, and the changes will take effect.



6.3 Group Setting/Pairing

- 1. The transmitter and receiver will automatically pair and connect when their group settings match. If the group settings do not match, pairing will not occur.
- 2. To transmit from one transmitter to multiple receivers, simply set all receivers and the transmitter to the same group.
- 3. When using multiple transmission systems in the same application scenario, ensure that each system has different group settings.

⚠ If the group settings are changed, a reboot is required for the changes to take effect. After changing the group settings, successful pairing at close range is necessary before use; otherwise, group pairing might fail.

How to:

Rotate the knob to enter “Wi-Fi INFO” page → Press the knob to select Grp 12 → Press the knob again to enter the “Group Setting” page → Rotate the knob to select the group number → Press the knob to confirm the selection → When the device indicates to reboot, click “Yes” → Reboot prompt displays, click “Yes” → The units will reboot automatically, and the changes will take effect.

