



CineView **M7 PRO**

User Manual

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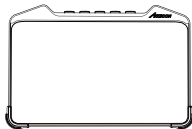
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v1.0

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01 In the box



CineView M7 Pro



User Manual *1

02 Introduction

Thank you for choosing Accsoon CineView M7 Pro wireless monitor.

CineView M7 Pro seamlessly integrates wireless image transmission into professional monitors, ensuring not only the stability of image transmission but also providing an excellent viewing experience

Each CineView M7 Pro is precisely calibrated to achieve cinema-level color accuracy, meeting professional film and television production standards, helping you precisely control every frame and meet diverse professional shooting needs.

03 Product Feature

- LUT Box
- 4K60 Video Inputs&Outputs
- Up/Down/Cross Convert HD/4K Video
- SDI-HDMI Cross Conversion
- Microphone and Headphone Jacks
- Frame Rate Conversion

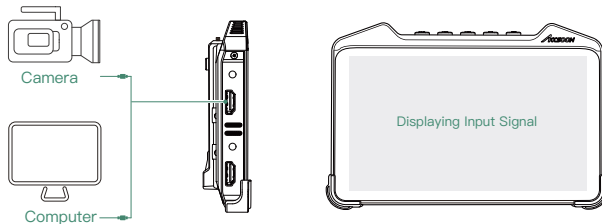
- Compatible with CineView Wireless Video System^[1]
- Stream, Cloud-Upload, Share via Built-in Wi-Fi 6
- SDI & HDMI Simultaneously Outputs
- USB 3.0 and SD Card Slot
- Precision in Color Accuracy for Professional Monitoring

[1] Compatible with CineView QUAD/HE/SE/2 SDI.

04 Application

4.1 Wired monitor

Input video source over the HDMI or the 3G SDI input ports to use the CineView M7 Pro as a wired monitor.

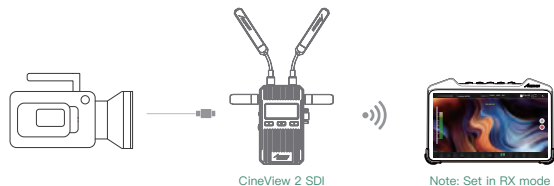


4.2 Wireless monitor

When wirelessly connected to CineView wireless video systems, CineView M7 Pro can work as a wireless monitor.

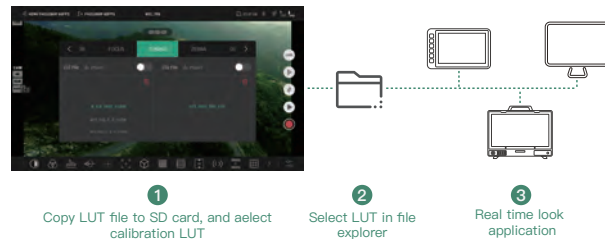
Refer to 7. Wireless Monitoring Mode for further details.

Note: Compatible with CineView Quad/HE/SE/2 SDI/Master 4K.



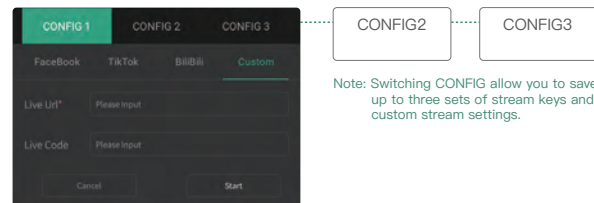
4.3 LUT box for on-set applications

CineView M7 Pro can apply 3D LUT to adjust video signals color space via USB, which simulates a film look over its HDMI and 3G-SDI outputs to other monitors.



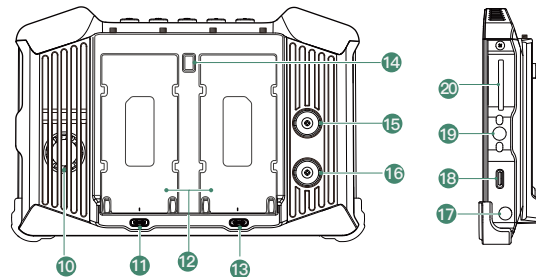
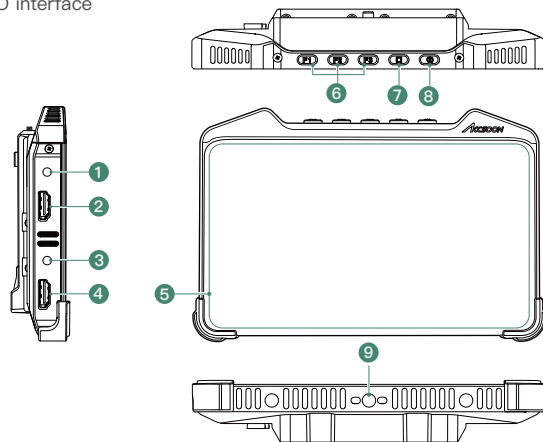
4.4 Streaming

With the built-in Wi-Fi 6, CineView M7 Pro is able to stream the wired video signal to online live streaming platforms via WiFi. Refer to 8. Live Streams for further details.



05 Quick Use

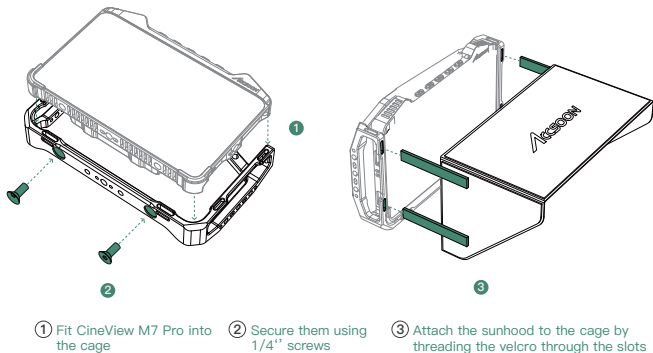
5.1 I/O interface



① 3.5mm microphone jack	⑥ Shortcut button	⑪ 5V/2A output (USB-C)	⑮ 3G SDI input	⑲ 1/4 screw mount
② HDMI 2.0 input	⑦ Home button	⑫ Dual NP-F battery slots	⑯ 3G SDI output	⑳ SD card slot
③ 3.5mm headphone jack	⑧ Power on/off button	⑬ PD power input (USB-C) ^[2]	⑰ DC power input	
④ HDMI 2.0 output	⑨ 1/4 screw mount	⑭ Battery safety lock	⑱ USB 3.0 input	
⑤ 7 inch touchscreen	⑩ Air intake ^[1]	^[1] Note: Please don't block the intake. ^[2] Note: Requires 9V/3A inputs at least.		

5.2 Install monitor cage & sunhood (separate purchase)

Place the CineView M7 Pro to fit the monitor cage. Use the included screws to install the cage onto CineView M7 Pro. Fasten the velcro to install the sunhood.



5.3 Mounting

Mount the CineView M7 Pro to the camera or other device using cold shoe mount or other mounting accessories. The camera and CineView M7 Pro are installed together on a fixed bracket for use. The camera is used for recording and is fixed in one position for a long time, so it will not be held by user for a long time

5.4 Power supply

CineView M7 Pro supports NP-F series batteries DC power, and USB-C PD 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.

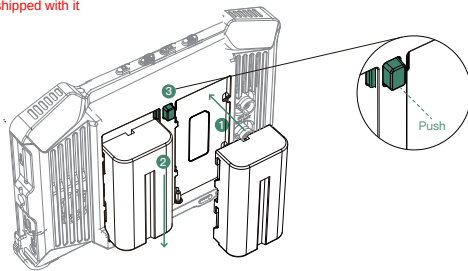
5.4.1 NP-F Batteries

To install the NP-F970/F750/F550 batteries into the CineView M7 Pro: Insert the battery into the slot at the back of the CineView M7 Pro 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.

The battery is only a backup to prevent sudden interruption of DC power supply and the prototype from stopping working. The battery can only provide brief power for a few minutes and cannot provide long-term independent power supply

Note: Battery users can purchase it themselves, and the product will not be shipped with it

- ① Insert the battery into slot
- ② slide it down until the lock pops up
- ③ push down the lock to slide out battery



5.4.2 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 3A.
- It is recommended to use adapters with at least 9V/3A or 12V/3A DC output capability.

5.4.3 USB-C Power

Please use the corresponding USB-C adapters:

- Protocol: PD 3.0
- Output voltage should be no less than 9V and output current should be no less than 3A.
- It is recommended to use a 9V/3A, 12V/3A or 15V/3A USB-C adapter.

Note: Note: It is recommended to use Accsoon 100W USB-C GaN adapter.

5.5 Connection

Use SDI or HDMI cables to connect the CineView M7 Pro with camera and other monitoring devices.

Note: As 4K video transmission demands a higher standard of HDMI cable, it is recommended to choose high quality HDMI cables. We recommend using Accsoon 8K HDMI cable to ensure the best transmission performance.

5.6 Power on/off

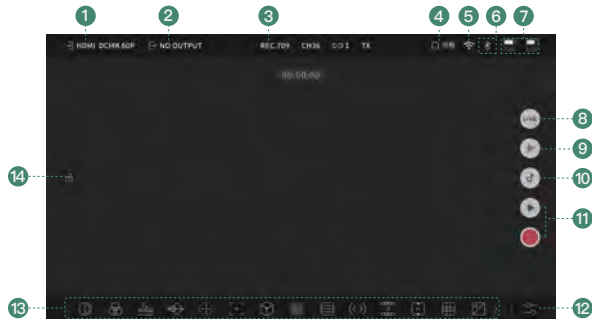
Power On: Press the power button for 1 second, the system will be powered on.

Power Off / Reboot: Press and hold the power button for 1 second, tap to select power off or reboot on the screen pop-up.



06 Monitoring Page

6.1 Monitor mode display

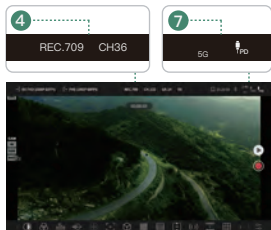


① Video input Tap to enter video input display menu.	⑧ Push stream Tap to enter push stream setting menu.
② Video output Tap to enter video output setting menu.	⑨ Frame.io Tap to enter Frame.io setting menu.
③ Color space CineView M7 Pro adapts Rec.709 standard color space by default, you can change the color space and white point in the 9.2 calibration setting.	⑩ Douyin stream Tap to open Douyin App and start streaming.
④ Storage This indicates the remaining available storage of CineView M7 Pro. Tap to enter video recording setting menu.	⑪ Video recording play back ▶ Tap to enter play back page. Video record ● Tap to start/stop video recording.
⑤ Network connection This indicates current network connection status. Tap to enter Wi-Fi setting menu.	
⑥ Bluetooth connection Tap to enter Bluetooth setting menu to connect to Bluetooth accessories.	⑫ Monitoring function setting Tap to enter monitoring function setting menu.
⑦ Battery power level and external power voltage The current voltage of the battery is displayed when the battery is used for power. (🔋) When using an external power supply, DC (⚡) or PD (⚡) is displayed according to the input source.	⑬ Monitoring functions Tap to switch on/off of each monitoring function.
	⑭ Screen lock Tap to switch the screen lock status.

6.2 Wireless mode display

① Wireless transmission status(4)

This indicates the current 5G Channel, wireless group and transmission mode of the system.
Tap to enter wireless transmission setting menu.



② 5G connection (7)

This indicates the current 5G connection status. Tap to enter wireless transmission setting menu.

Note: Other parts same with wired monitoring mode.

07 Wireless monitor mode

CineView M7 Pro features a built-in Dual-Band wireless video system that enables seamless connectivity with the CineView series transmitters for reliable, low-latency wireless monitoring.
It can also output the received video and audio signals via SDI or HDMI to monitors, or capture devices.

7.1 Compatible Models

- CineView Quad
- CineView HE
- CineView SE
- CineView 2 SDI
- CineView Master 4K

7.2 Mode switch

7.2.1 Open Dual-Band Wireless Mode

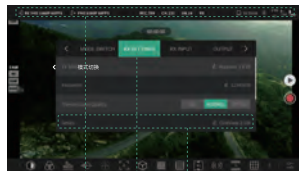
- ① Tap any area of the top status bar to enter setting menu.
- ② Open "Mode switch" menu.
- ③ Tap to select RX mode.

Once selected, the system will prompt to reboot.

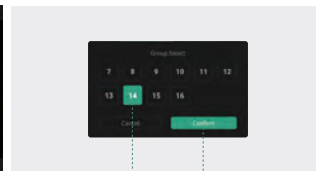
Once it's rebooted, the system will switch to Dual-Band wireless receiver mode.



7.2.2 Connect to wireless transmitter

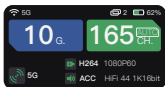


- ① Tap any area of the top status bar to enter setting menu.
- ② Open "RX Setting" menu.
- ③ Select the model name that you'd like to connect to, for example CineView Quad/HE/SE, CineView 2 SDI.



- ④ Set CineView M7 Pro to the same group that the transmitter is in.
- ⑤ Tap "Confirm", then CineView M7 Pro and the transmitter will automatically be paired.

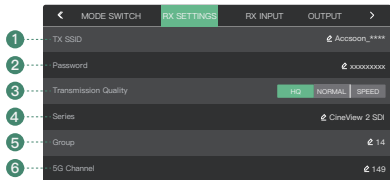
Note: The transmitter's group is shown on the transmitter's display screen.



Current pairing group

7.2.3 Wireless transmission setting

When paired to the transmitter, the connection status will be shown under the "RX Setting" menu.



① Name of the transmitter Wi-Fi

The Wi-Fi name format of the connected transmitter is: Accsoon_****. **** refers to the four characters consisting of numbers and letters that are unique to each product. Tap to customize transmitter Wi-Fi name

② Password of the transmitter Wi-Fi

The default password is "12345678". Tap to customize transmitter Wi-Fi password.

④ Product series setting

Select the model that matches the transmitter you wish to pair with.

⑤ Group setting

This indicates which group the system is connected to. Tap to change group.

⑥ 5G channel

This indicates which 5G channel the system is connected to. Tap to change 5G channel.

08 Live Streams

- ① Toggle CineView M7 Pro's Wi-Fi switch to ON, connect to a Wi-Fi signal that can access the Internet.
- ② Enter the monitoring page → Tap "Live" → Enter streaming URL and code → Tap "Start".

Note: It's only when receiving wired video inputs can the CineView M7 Pro push streams to online live streaming platforms.

Note:

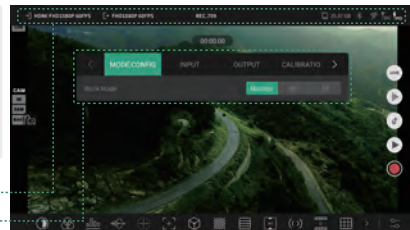
1. Before the streaming, please ensure that CineView M7 Pro can access the Internet via Wi-Fi connection.
2. Streaming is only available with wired video inputs. Under wireless monitoring mode, CineView M7 Pro's network connection will be occupied by CineView transmitters that it cannot access the Internet.
3. Please follow the bitrate recommendation of each live streaming platform to change the live stream bitrate.
4. Please refer to the official website where you want to push the streaming for further instructions on how to obtain live streaming URL and code.

09 Monitor Function Setting

Tap any area of the top status bar to enter setting menu.

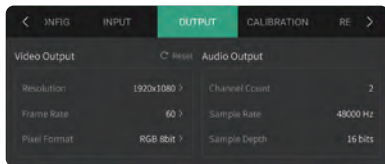
① Top status bar

② Mode configuration setting



9.1 Output setting

User may adjust different output resolutions, frame rates and pixel formats as required on-set.



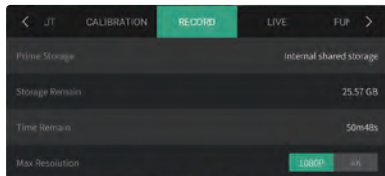
9.2 Display calibration

Calibration LUT can be loaded over SD cards or USB drives to CineView M7 Pro. It also allows users to choose color gamut mapping and manually calibrate with gamma correction, RGB offsets, and color temperature.



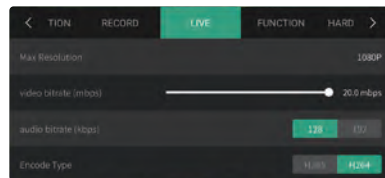
9.3 Record setting

After inserting a SD card or a USB drive, you can select to which destination the recording files are saved. Recording files can be set under different resolutions, video/audio bitrates, encoders and maximum file sizes as required.



9.4 Live stream setting

Video streams can be set under different video/audio bitrates and encoders as required.



9.5 Function row setting

Monitoring functions can be added or hidden as required.



9.6 Shortcut button setting

A total of three shortcut buttons can be set as required.

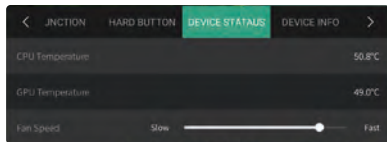


9.7 Fan setting

CineView M7 Pro is capable of adjusting the fan speed.

Under the "Device Status" menu, you can check the real-time temperature of the device and adjust the fan speed according to your needs.

Note: If the temperature is too high, the device will automatically adjust the fan speed to ensure proper performance.



10 Firmware Update

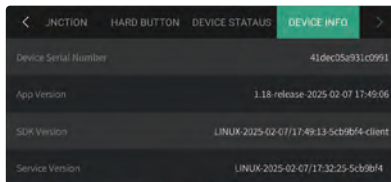
10.1 System update

- ① Download the latest update package from www.accsoon.com.

- ② Please use a PC to download the latest system update package to the root directory of a USB drive or SD card, then insert the USB drive or SD card to CineView M7 Pro and reboot the device. After it's rebooted, CineView M7 Pro will detect the system version and perform update automatically.

10.2 Video input driver update

- ① Before updating, ensure that the CineView M7 Pro is connected to a Wi-Fi signal that can access the Internet properly.
- ② Please check whether the driver is the latest version under the "Device Status" page, if not, the system will prompt you to download the new driver, follow the instructions to download and update.

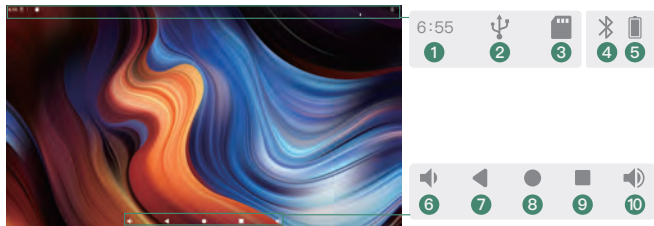


Before updating the system and the video input driver, please ensure that:

1. The battery level of CineView M7 Pro is above 50%.
2. No power cuts are allowed during the update process!
3. If you have any questions during the firmware update, please refer to tutorial videos on Accsoon's official YouTube channel, or send an inquiry email to support@accsoon.com.

11 System Interface

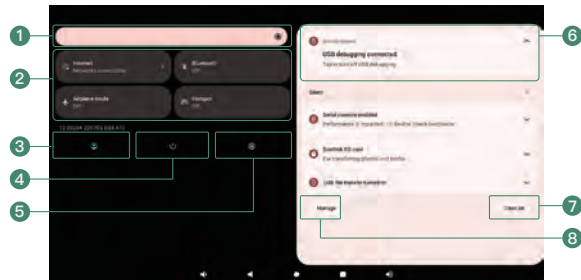
11.1 Home page



① Current time	⑥ Volume down button
② SD card status Displayed when the system identified there's a inserted SD card.	⑦ Return button
③ USB drive status Displayed when the system identified there's a inserted SD card.	⑧ Home button
④ Bluetooth status	⑨ Tap to browse recently opened applications
⑤ Current power level	⑩ Volume up button

11.2 Control center and notifications

Swipe down anywhere on screen to browse control center.

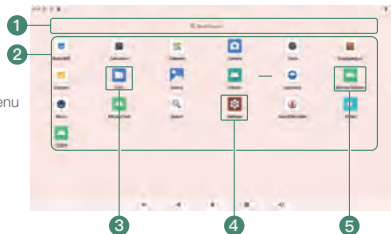


① Brightness slider	⑤ Tap to enter system setting menu
② Quick control bar Tap to quickly turn on/off the correspond-ing system function, and long press to enter the corresponding function system setting menu.	⑥ Notification bar Tap to browse details
③ Tap to switch system user	⑦ Tap to clear current notifications
④ Tap to power off / restart the system	⑧ Tap to enter notification setting menu

11.3 All Apps

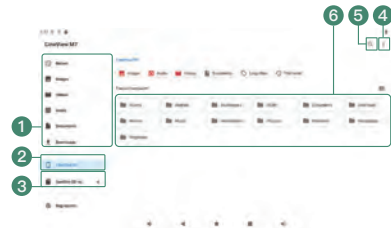
Swipe up anywhere on home page for all Apps.

- ① Tap to search App
- ② App lists
- ③ Tap to enter file manager
- ④ Tap to enter system setting menu
- ⑤ Tap to enter CineView M7 Pro monitoring page



11.4 File and storage management

- ① Folder quick access
- ② Tap to browse system internal storage
- ③ SD card and USB drive folders
- ④ Settings
- ⑤ Search
- ⑥ Current folder storage



12 Specifications

Display screen	7" TrueVision Backlight LCD
Touchscreen	Ultra high resolution capacitive touchscreen
Resolution	1920 × 1200 pixels
Length-width ratio	16:9
Brightness	1000 nits
Contrast ratio	1000:1
Viewing angle	178°/178°
Backlight type	LED
Screen color calibration	Supported
LUT	1D and 3D LUTs supported 1D: up to 1024 points 3D: up to 127 points
Video input port	HDMI 2.0 3G-SDI
Video output port	HDMI 2.0 3G-SDI
HDMI video input format	4K DCI (4096*2160): 23.98/24/25/29.97/30/50/59.94/60 4K UHD(3840*2160): 23.98/24/25/29.97/30/50/59.94/60 1080p: 23.98/24/25/29.97/30/50/59.94/60 1080i: 50/59.94/60 720p: 50/59.94/60
SDI video input format	1080p: 23.98/24/25/29.97/59.94/60 Level A/B 1080i: 50/59.94/60
HDMI video output format	4K DCI (4096*2160): 23.98/24/25/29.97/30/50/59.94/60 4K UHD (3840*2160): 23.98/24/25/29.97/30/50/59.94/60 1080p: 23.98/24/25/29.97/30/50/59.94/60/100/120 1080i: 50/59.94/60 720p: 50/59.94/60

SDI video output format	1080p: 23.98/24/25/29.97/30/50/59.94/60 Level A 1080i: 50/59.94/60
DC port	6.0~16.8V 5.5mmx2.1mm center positive
Compatible battery	Compatible with NP-F550, NP-F750, NP-F970 type batteries
USB-C power input port	PD 9V/3A, 12V/3A, 15V/3A
USB-C power output port	Maximum: 5V/2A
Microphone/headphone jack	3.5mm
Microphone input audio sampling	16bit, 48KHz
Power consumption	12W~28W (varies according to actual applications)
Housing	Aluminium alloy
Heat dissipation	Active + Passive Cooling
Wireless transmission latency	60ms
Wireless transmission distance	Dual-Band connection: 350 metersApp connection: 100 meters
Work environment temperature	- 10°C - 40°C
Weight (antennas excluded)	494.3g
Dimensions (antennas excluded)	182.2*120.7*31.5mm

13 FAQ

13.1 Receiver cannot connect to transmitter

- ① Please ensure that CineView M7 Pro is set under RX mode.
- ② Please ensure that CineView M7 Pro has WiFi turned on but not connected to any WiFi network.
- ③ Please ensure that CineView M7 Pro is set to the correct pairing product model.
- ④ Please ensure that CineView M7 Pro is set to the same group as the transmitter.
- ⑤ Please check that the antennas are securely mounted.

13.2 No video displayed

- ① Please check whether the SDI/HDMI cable of the camera is correctly plugged into the corresponding port of CineView M7 Pro.
- ② Please check if the video format and other information are shown on the display interface; if not, please check the cable and the SDI/HDMI video output of the camera.
- ③ Please check if the SDI/HDMI video format of the camera is compatible with the formats supported by the product.

13.3 Choppy video

- ① Please check that the antennas are securely mounted.
- ② Please make sure there are no metals or cables around the antennas that can cause signal blocking.
- ③ Please switch to another channel manually.

14 Warranty

14.1 Warranty Period

- ① If there is a quality problem that occurs within 15 days after receiving the product, Accsoon will provide complimentary maintenance or replacement.
- ② Under proper use and maintenance, from the date of receipt, Accsoon will provide a one-year warranty on the monitor and a three-month warranty on the accessories and cables. Free maintenance service is available during the warranty period.
- ③ Please keep the proof of purchase and the user manual in a safe place.

14.2 Warranty Exclusions

- ① Out of warranty (If the proof of purchase is not available, the warranty will be calculated from the date the product is delivered from the factory).
- ② Damage caused by use or maintenance is not following the requirements of the product manual.

- ③ Unauthorized repair, modification or disassembly.
- ④ Damage caused by force majeure such as fire, flood, lightning strike, etc..

15 Warranty Process

- ① Contact your local Accsoon authorized dealers for after-sales service. If there is no local authorized dealers, you can contact our customer service via our email (support@accsoon.com) or website (www.accsoon.com) and get appropriate support.
- ② You will get detailed solutions from authorized dealers or Accsoon.
- ③ Accsoon reserves the right to review the damaged product..

16 Safety Information

- ① When operating this equipment, read and follow all the instructions in this manual.
- ② Use only accessories/batteries/chargers specified or recommended by Accsoon.
- ③ Do not expose to moisture, excessive heat or fire.
- ④ Keep away from water and other liquids.

17 Contact Us

-  Facebook: Accsoon
-  YouTube: ACCSOON
-  Facebook Group: Accsoon Official User Group
-  Email: Support@accsoon.com
-  Instagram: accsoontech

18 Federal Communication Commission Interference Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. Operations in the 5.15–5.25GHz and 5.25–5.35GHz band are restricted to indoor usage only.

This product is a master device.