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Accsoon M7 Pro

Accsoon CineView M7 Pro User Manual

7-inch 4K60 SDI & HDMI Wireless Video Transmitter, Receiver, and Monitor

1. Introduction

The Accsoon CineView M7 Pro is an all-in-one device integrating a 7-inch camera monitor, a wireless video transmitter, and a wireless video receiver. It supports both SDI and HDMI input/output, making it suitable for a wide range of professional shooting environments including DSLRs, mirrorless cameras, cinema cameras, and broadcast equipment. This manual provides detailed instructions for setting up, operating, and maintaining your CineView M7 Pro.



Image: Accsoon CineView M7 Pro highlighting its integrated monitor, transmitter, and receiver capabilities.

2. Package Contents

Please check the package to ensure all items are present:

- CineView M7 Pro Camera Monitor Unit x1
- Dual-band Antenna x4
- User Manual x1



Image: The Accsoon CineView M7 Pro package contents, showing the main unit, four antennas, and the user manual.

3. Product Overview

3.1 Key Features

- **SDI & HDMI Support:** Integrated 7-inch camera monitor, wireless transmitter, and wireless receiver. Supports both HDMI and SDI input/output for broad compatibility.
- **Camera Control:** Supports USB-C and wireless IP camera control for adjusting shutter speed/angle, aperture, ISO/EI/dB, white balance, focus, and record start/stop directly from the monitor. Compatible with select Sony, Canon, and Nikon cameras.
- **High-Brightness Display:** 7-inch LCD with 1920x1080 resolution, 1000nit brightness, and 1000:1 contrast ratio for clear outdoor viewing. REC.709 calibrated with Delta E<2 color accuracy.
- **Professional Monitoring Tools:** Features 4096-point 1D LUT and high-precision 127-point 3D LUT display calibration. Includes RGB waveform, vectorscope, histogram, zebra, focus peaking, false color, anamorphic de-squeeze, blanking, zoom, and background customization via the Accsoon SEE app.
- **4K60 & Cross Conversion:** Supports up to 4K/60fps HDMI input and 1080P SDI/HDMI input/output. Includes SDI-HDMI cross conversion, HD-4K up/down/cross conversion, and frame rate adjustment.
- **Dual-Band Transmission:** 2.4GHz + 5GHz dual-band wireless transmission for stable video and audio data optimization. Achieves ultra-low latency of approximately 0.06 seconds (60ms) and a transmission distance of up to 365m (1200ft) in line-of-sight environments.
- **4K60 Recording & Live Streaming:** Supports direct 4K 60fps recording to SD card, USB memory, or SSD. H.264/H.265 encoding with adjustable video bit rates (8-50Mbps) and audio bit rates (128/192kbps). SRT/RTMP live streaming up to DCI 4K 60fps without a capture card or PC.
- **Versatile Power Options:** Supports NP-F batteries, 6-16.8V DC input, and USB-C PD (9V/3A, 12V/3A, or 15V/3A adapter recommended).

3.2 Device Layout

7 インチ プロフェッショナルモニター



Image: Side view of the CineView M7 Pro, detailing the input/output ports including HDMI, SDI, USB-C, and SD card slot.



Image: Rear view of the CineView M7 Pro, illustrating the dual NP-F battery plates and DC power input.

4. Setup Guide

4.1 Antenna Installation

Attach the four dual-band antennas to the corresponding ports on the top of the CineView M7 Pro. Ensure they are securely fastened but do not overtighten.

シネマグレード色精度

プロ映画製作規格に適合する精密キャリブレーション実装で、シネマティックな階調と色再現性を実現

1000nits ピーク輝度	1920*1080 解像度	176°/176° 視野角
Delta E<2* キャリブレーション後	REC.709 D65 色域	2.4 グレースケール ガンマ



[*] カラーメトリクスは、Accsoon ラボによる標準試験条件下での認証値です

Image: Proper installation of the dual-band antennas onto the CineView M7 Pro unit.

4.2 Powering the Device

The CineView M7 Pro offers multiple power options:

- **NP-F Batteries:** Insert compatible NP-F series batteries into the dual battery plates on the rear of the device.
- **DC Input:** Connect a 6-16.8V DC power adapter to the DC input port.
- **USB-C PD:** Connect a USB-C PD power adapter (9V/3A, 12V/3A, or 15V/3A recommended) to the USB-C port.



Image: Power input options for the CineView M7 Pro, including dual NP-F battery slots, DC input, and USB-C PD.

4.3 Connecting to a Camera

Connect your camera's video output to the CineView M7 Pro using either an HDMI or SDI cable. The device supports up to 4K/60fps via HDMI and 1080P via SDI.

5. Operating Modes

The CineView M7 Pro operates in three primary modes: Monitor, TX (Transmitter), and RX (Receiver).



Image: Overview of the CineView M7 Pro's operational modes: Monitor, TX (Transmitter), and RX (Receiver).

5.1 Monitor Mode

In Monitor Mode, the device functions as a high-precision display for SDI/HDMI input, allowing for detailed image monitoring. Camera control and live streaming features are available in this mode.

5.2 TX (Transmitter) Mode

In TX Mode, the CineView M7 Pro transmits video signals to up to four devices simultaneously, including other CineView M7 Pro units in RX mode, CineView Master 4K receivers, or mobile devices running the Accsoon SEE app.

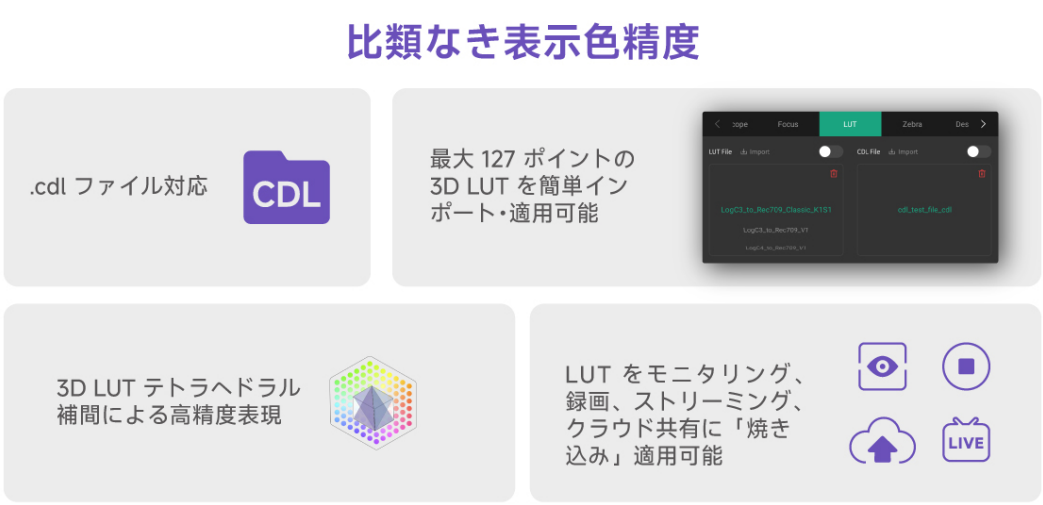


Image: The CineView M7 Pro in TX mode, demonstrating simultaneous transmission to various receiving devices.

5.3 RX (Receiver) Mode

In RX Mode, the CineView M7 Pro pairs with a CineView series transmitter to receive video and audio signals. These signals can then be output via SDI or HDMI to an external monitor or capture device.

5.4 Camera Control

The CineView M7 Pro supports camera control via USB-C connection or wireless IP control. This allows you to adjust various camera settings directly from the monitor's interface.

- **USB-C Control:** Compatible with Sony (FX3/FX30/A7C II/A7S III/A7 IV/A9 III), Canon (R5/R5 II/R6/R6 II/R7/R8), and Nikon (Z9/Z8/Z5/Z50/Z6/Z6 II/Z7 II) models.
- **Wireless IP Control:** Compatible with Sony (FX6/FX3/FX30/A7C II/A7S III/A7 IV/A9 III) and Canon (C50/C70/C80/C400) models.

Note: Camera control is only available in Monitor Mode.



Image: The camera control interface on the CineView M7 Pro and a list of compatible camera models for USB-C and wireless IP control.

5.5 Monitoring Tools

The Accsoon SEE app enhances monitoring capabilities with a suite of professional tools:

- False Color

- Histogram
- Zebras
- Waveform
- Vectorscope
- Focus Peaking
- 3D LUTs (importable)
- Anamorphic De-squeeze
- Blanking
- Zoom



Image: The Accsoon SEE app interface displaying a range of professional monitoring tools for precise image analysis.

5.6 Recording and Live Streaming

The CineView M7 Pro supports direct recording and live streaming functionalities:

- **Direct Recording:** Record up to 4K 60fps directly to an SD card, USB memory, or SSD. Choose between H.264/H.265 codecs and adjust video/audio bit rates.
- **Live Streaming:** Stream directly to platforms using SRT/RTMP protocols, supporting up to DCI 4K 60fps without additional hardware.

Note: Live streaming is only available in Monitor Mode.

6. Maintenance

- **Cleaning:** Use a soft, dry cloth to clean the device. For the screen, use a microfiber cloth specifically designed for optical surfaces. Do not use liquid cleaners directly on the screen.
- **Storage:** Store the device in a cool, dry place away from direct sunlight and extreme temperatures. When not in use for extended periods, remove batteries.
- **Antennas:** Handle antennas with care. Avoid bending or applying excessive force.

7. Troubleshooting

- **No Power:** Ensure batteries are charged and correctly inserted, or that the DC/USB-C power source is properly connected and supplying adequate power.

- **No Video Signal:** Check HDMI/SDI cable connections. Verify camera output settings match the monitor's input capabilities (resolution, frame rate).
- **Poor Wireless Signal:** Ensure antennas are securely attached and oriented correctly. Reduce distance between transmitter and receiver. Avoid obstacles and sources of interference (e.g., Wi-Fi routers, other wireless devices).
- **Camera Control Not Working:** Verify camera model compatibility. Ensure the correct control cable is used (for USB-C). Check camera settings for remote control activation. Ensure the CineView M7 Pro is in Monitor Mode.
- **App Connection Issues:** Ensure Wi-Fi is enabled on the CineView M7 Pro and your mobile device. Check that you are connected to the correct Wi-Fi network broadcast by the CineView M7 Pro.

8. Specifications

Feature	Specification
Brand	Accsoon
Model Name	M7 Pro
Screen Size	7 Inches
Resolution	1920 x 1080 (FHD 1080p)
Brightness	1000 nits
Aspect Ratio	16:9
Refresh Rate	60 Hz
Display Type	LCD
Input/Output	HDMI 2.0 (4K60), 3G-SDI (1080p60)
Wireless Frequency	2.4GHz + 5GHz Dual-Band
Transmission Latency	~0.06 seconds (60ms)
Transmission Distance	Up to 365m (1200ft) line-of-sight
Power Input	NP-F Battery, 6-16.8V DC, USB-C PD
Dimensions (Approx.)	182.2 x 120.7 x 31.5 mm
Weight (Approx.)	494g

9. Warranty and Support

9.1 Warranty Information

The Accsoon CineView M7 Pro comes with a**1-year warranty** from the date of purchase. This warranty covers manufacturing defects under normal use. Please retain your proof of purchase for warranty claims.

9.2 Customer Support

For technical support, troubleshooting assistance, or warranty inquiries, please contact Accsoon customer service through their official website or your local distributor. You can find more information and resources on the Accsoon Official Store.

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