



Introduction

Welcome to the world of LUMAHAWK LCD On-Camera Monitors. The LMM-CON200 is designed for composing and focusing images directly from your DSLR or DV camera as well as viewing images and video clips from it. It's simple to use and accepts a variety of popular input formats. To take advantage of all the features and to ensure safe operation, please read through this instruction manual.

Front



Side



Back



Remote Control



Front

1. Speaker volume
2. Screen Marker display
3. OSD MENU
4. Check Fields display/ Aspect Ratio switch
5. Peak Focus Assist
6. MODE switch
7. POWER
8. Status LED
9. Remote Control receiver

Back

10. Battery plate
11. Speaker

Side

12. DC Power Input
13. HDMI input
14. VGA input
15. Analog video/audio input

Remote Control

16. Mute
17. OSD MENU
18. Screen marker display
19. Check field display
20. Flip screen vertically
21. Flip screen horizontally
22. Monitor power
23. Peak Focus Assist
24. Speaker volume
25. Aspect Ratio switch
26. AV/PC input selector

Included Accessories

- 7" LCD HD Camera Monitor
- F Style DV Battery Plate
- Shoe Mount Ball Head
- AC/DC Adapter
- Folding Sun Hood
- Wireless Remote Control
- Mini HDMI to HDMI Cable
- VGA Cable
- AV Cable

Powering the LMM-CON200

The LMM-CON200 can be powered with either the supplied AC adaptor or with an F-style DV battery such as the LUMAHAWK F-550 Li Ion Battery.

NOTE: Remove the battery from the monitor when not in use to ensure maximum battery life.

Attaching the sun hood

Stick the supplied Velcro tape along the top and sides of the monitor and along the inner edges of the sun hood. The sun hood can now be attached and removed from the monitor.

Instructions for Set-up of the LMM-CON200 On-Camera LCD Monitor

Front Panel Controls

The most frequently used monitor controls are directly accessed with the front panel buttons. These are:

V -Check Fields Display

Push the 'V' button to step through the RED, GREEN, BLUE and MONOCHROME check fields.

V held down for 3 seconds

Toggle display aspect ratio.

Λ - Peak Focus Assist

Push the 'Λ' button to toggle Peak Focus assist off and on.

< - Monitor Speaker Volume

Push the '<' button to reduce speaker volume. While the Volume window is displayed, you can also push '>' to increase speaker volume. After adjusting volume, push MENU button to hide Volume window.

> - Screen Marker Display

Push the '>' button to adjust the viewfinder perimeter indicator between 80%, 85%, 90%, 93%, 96% and Off.

MODE

Toggle through input sources HDMI, VGA, AV1 and AV2. The source's name will be displayed briefly when the button is pushed.

POWER

Turn on the monitor or put it into standby mode.

Turning Monitor on and selecting signal source

When the monitor is first connected to a power source, the power indicator will be red, indicating that the monitor is in standby mode. Push the POWER button to turn the monitor on. The screen will now light up blue and display the LUMAHAWK logo. Pressing the power button again will put the monitor back into STANDBY mode.

When the monitor is on, push the MODE button to select the signal source to be displayed on the screen. The LMM-CON200 will display signals from HDMI, VGA and VIDEO1/2 inputs.

Select HDMI to display a source connected to the monitor's HDMI input.

Attaching an AV signal source

To attach an AV device (non-HDMI or VGA) to the CON200, use the supplied AV cable. Insert the black jack into the AV socket on the side of the monitor, below the VGA port. Connect the other end of the AV cable to your signal source as follows:

- Yellow (V1 embossed on casing) RCA jack connects to video signal 1
- Yellow (V2 embossed on casing) RCA jack connects to video signal 2
- White RCA jack connects to audio signal

Troubleshooting

It's normal for the screen to go dark for a few seconds when turning the camera or signal source on or when toggling between different sources. It's also normal for bright lines to briefly appear on the screen when the monitor is turned on.

Image displayed is black and white

- Check that the hue and saturation levels are properly set
- Set the Check Field to None
- Ensure that cables running from the camera to the monitor are securely and properly connected

Image displayed is an abnormal or distorted color

- Check that the hue and saturation levels are properly set
- Set the Check Field to None
- Ensure that cables running from the camera to the monitor are securely and properly connected

No image being displayed

- Check that both monitor and camera are turned on
- Ensure that cables running from the camera to the monitor are securely and properly connected
- Check that correct signal source is selected with MODE button

No Sound

- Check that volume on monitor is turned up
- Ensure that cables running from the camera to the monitor are securely and properly connected
- Check that correct signal source is selected with MODE button

Remote control doesn't work

- Replace batteries

Caution

- Only use the supplied power supply when not powering the monitor with a battery.
- Remove the battery when not using the monitor.
- Do not expose the monitor to extreme heat or humidity.
- Do not use harsh chemicals to clean the monitor. Gently wipe the screen with a clean cloth to remove smudges and fingerprints.
- This monitor does not contain any user-serviceable parts inside. Do not attempt to open the casing, as this will void your warranty. If service is required, please contact the LUMAHAWK offices directly.

Using OSD to adjust monitor settings

Push the MENU button to show the OSD (On Screen Display).

This will then display the main OSD screen where you can access and make adjustments to all the monitor's features.

- To access a specific function, scroll through the four main sections (Color, OSD, Function, Sound) using the 'A' and 'V' buttons.
- When the desired function appears in the right column of the OSD, push the '>' button.
- Now use the 'A' and 'V' buttons to scroll up or down until the function is highlighted in green. Refer to the following sections for individual function control buttons and options.
- After making the adjustment, push the MENU button to engage the adjustment. This will also return you to the Primary OSD screen where you can scroll through the four main sections.
- To hide the OSD, push the MENU button again.

Depending on the signal source, additional information about the image will be displayed at the bottom of the OSD window. In HDMI mode, the image resolution is indicated. In VGA mode, the image resolution and refresh rate is indicated. In AV mode, the image standard (NTSC or PAL) is indicated.

Color

Brightness

Adjust monitor image brightness using '<' and '>' buttons.

Contrast

Adjust monitor image contrast using '<' and '>' buttons.

Hue

Adjust monitor image hue using '<' and '>' buttons.

Saturation

Adjust monitor image saturation using '<' and '>' buttons.

Check Field

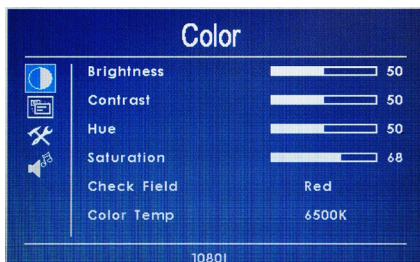
Select Check Field to be displayed. Use 'A' and 'V' to select Off, Red, Green, Blue or Monochrome.

Color Temp

Adjust the color temperature of the monitor image.

Use 'A' and 'V' to select 9300K, 7500K, 6500K or USER.

If USER color is selected, use 'A' and 'V' to scroll through R,G and B settings and use '<' and '>' to increase or decrease specific values. After the desired color has been set, push the MENU button to return to the main Color Temperature list.



OSD

Language

Select OSD language. Use 'A' and 'V' to choose from English, Chinese, French, Italian, German, Spanish, Japanese, Korean, Russian or Portuguese.

H Position

Adjust the horizontal position of the OSD display using '<' and '>' buttons.

V Position

Adjust the vertical position of the OSD display using '<' and '>' buttons.

OSD Timeout

Adjust the length of time the OSD is displayed after any button is pushed using '<' and '>' buttons.

Camera

Toggle the signal from the camera off and on using '<' and '>' buttons.

Transparent

Adjust the background transparency of the OSD display using '<' and '>' buttons.



Function

Reset

Return monitor to default factory settings using '<' and '>' buttons.

Display Ratio

Toggle display ratio between 16:9 and 4:3 using '<' and '>' buttons.

Screen Markers

Adjust Viewfinder perimeter indicator from 80%,85%,90%,93%,96% and Off using 'A' and 'V' buttons.

Centre Markers

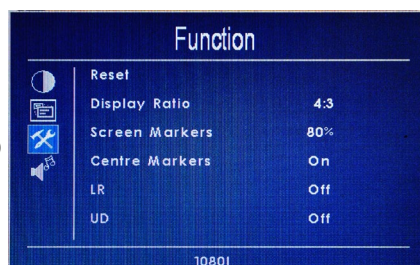
Toggle cross hairs in the centre of the screen Off and On using '<' and '>' buttons.

LR

Flip screen horizontally using '<' and '>' buttons.

UD

Flip screen vertically using '<' and '>' buttons.



Sound

Volume

Adjust monitor speaker volume using '<' and '>' buttons.

Focus

Toggle Focus indicator Off and On using 'A' and 'V' buttons.

Ver

Monitor's firmware version.



VGA Specific OSD Controls

When the CON200 is displaying a signal from a VGA source, the following additional settings will appear in the OSD menu:

Adjust

Auto Config

Automatically configure the monitor when initially attached to a VGA signal source using 'A' and 'V' buttons.

H Position

Adjust the horizontal position of the image on the screen using '<' and '>' buttons.

V Position

Adjust the vertical position of the image on the screen using '<' and '>' buttons.

Phase

Adjust image phase using '<' and '>' buttons.

Clock

Adjust the clock, field and line synchronization using '<' and '>' buttons.

Specifications

LCD Panel	TFT LCD 7" / 1152000 pixels
Resolution	800x480
Resolution up to	1920x1440
Brightness	400 cd/m ²
Contrast ratio	500:1
Viewing angle	70°/70 (L/R), 50°/60° (U/D)
Video signal input range	0.7~1.4Vp-p/75Ω
Supported input frequency	H:30~60kHz V:50~75Hz
HDMI supported formats	480i, 480p, 576i, 576p, 720p, 1080/ 50i/ 60i/ 50p/ 60p
Speaker output	≥1W/8Ω
Video color system	NTSC-3.58 ; PAL-4.43
Backlight	LED
Signal input channel	HDMI/VGA/VIDEO1/VIDEO2/AUDIO
Input power voltage range	DC6V-24V
Power consumption	≤8 W
Standby current	≤50 mA
Working temperature	-20~55°C
Storage temperature	-30~65°C
Dimensions	188mm X 131mm X 40mm
Weight	.4kg

Warranty

This product is warranted against poor workmanship and defective materials for a period of one (1) year from the date of purchase. This warranty does not include abuse, careless handling, collateral damage and / or normal wear and tear. It is considered normal for a minimal amount of pixels, to a maximum of three (3), to fail on the display active viewing area. Nadel Enterprises Inc. reserves the option to refuse service for display pixel failure if deemed unobtrusive to effective use of the monitor by our technicians.

It is Nadel Enterprises Inc.'s option and discretion whether to repair or replace or reject the warranty claim.

To apply for a warranty claim, return your product with proof of purchase to your dealer.

You can also contact us at 416.745.2622, 9 a.m. to 5 p.m. EST or via e-mail at info@lumahawk.com.

We reserve the right to change warranty terms without notice.

About Nadel Enterprises and Lumahawk

Nadel Enterprises and the Lumahawk brand are recognized worldwide as the leading brand of high quality equipment for both professional and amateur photographers. Using the most innovative photo-electronic technology coupled with simplicity of use, Lumahawk products are specifically designed for today's digital studio and on-location photography.

When it comes to capturing the image, Lumahawk exceeds the photographer's demands for reliability and versatility.