elvid

SKYVISION

WCM-758G

WIRELESS 7" MONITOR

USER MANUAL

INTRODUCTION

Thank you for choosing Elvid.

The Elvid WCM-758G SkyVision is a wireless monitor designed to receive signal from your 5.8 GHz composite video transmitter. Equipped with composite video loop-through, the SkyVision can also be used for wired monitoring via its HDMI and composite video inputs. The 7" LCD panel's native resolution is 1024 × 600, and you can set the aspect ratio to 16:9 (native) or 4:3. The onscreen menu makes it easy to fine-tune your image, offering adjustments for brightness, contrast, hue, and saturation. There are also broadcast-specific features like safety frame markers and multiple transmission display formats.

The SkyVision is equipped with advanced tools like Check Field to help calibrate the monitor, a Focus setting to fine-tune your focus, and Camera mode to scale the incoming video signal when shooting on a DSLR. Onboard buttons provide quick shortcuts to Camera, Focus, and Check Field modes, the safety frame and center markers, and the onscreen volume bar. There's also an integrated speaker and a 3.5 mm stereo headphone output for live audio monitoring.

FCC 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.

PRECAUTIONS

- Please read and follow these instructions and keep this manual in a safe place.
- Exposure to high sound levels can cause permanent hearing loss. Avoid listening at high volumes for extended periods of time.
- Keep this product away from water and any flammable gases or liquids.
- Make sure this product is powered off when plugging it into a power source.
- Use only the correct, recommended voltage.
- Do not attempt to disassemble or repair this product.
- Do not place or store the SkyVision facedown, since this can damage the screen.
- Handle this product with care. Avoid any unnecessary impacts to this product.
- Do not block the vents in this product.
- Disconnect this product from its power source before storage and during electrical storms.
- Do not use chemical solutions to clean this product. Clean it with only a soft, dry cloth.
- Keep this product away from children.
- Make sure that this product is intact and that there are no missing parts.
- To avoid damage to this product, be careful not to overtighten or improperly thread any of the threaded fittings.
- All photos are for illustrative purposes only.

TABLE OF CONTENTS

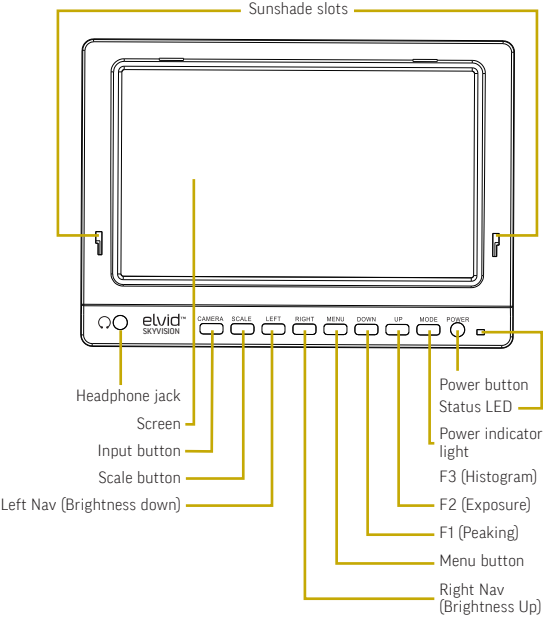
Product Contents 6
Overview 7-8
Powering On and Off 9-10
Using the WCM-758G 11
Wired Input And Loop-Through 12-13
Monitoring Sound 14
The Sunshade 15
The Menu 16
Color Menu 17
OSD Menu 18
Function Menu 19
Sound Menu 20
Using the Buttons 21
Specifications 22-23
Troubleshooting 24-26
Dip-switch chart 27
Warranty ..... 28 (Back)

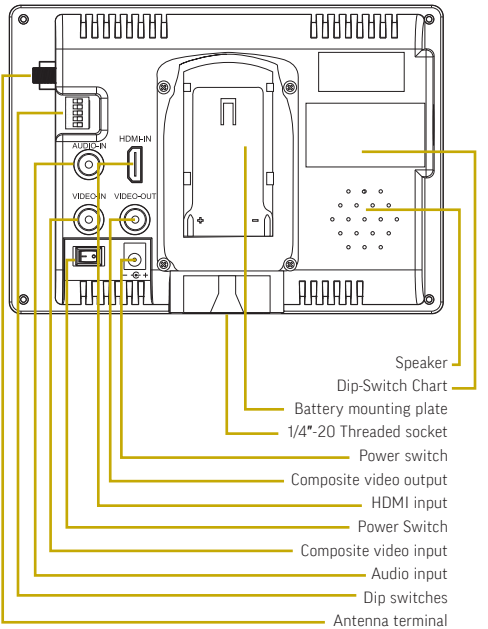
PRODUCT CONTENTS

- 7" Wireless Monitor
- Antenna
- Sunshade
- Mini HDMI to HDMI cable
- 12 V DC adapter
- Dip Switch Quick Reference Card
- User manual

NOTE: Additional battery plates and/or battery adapters compatible with other popular brands can be purchased by visiting www.elvidcinema.com

OVERVIEW


Sunshade slots
elvid SKYVISION
CAMERA
SCALE
LEFT
RIGHT
MENU
DOWN
UP
MODE
POWER
Headphone jack
Screen
Input button
Scale button
Left Nav (Brightness down)
Power button
Status LED
Power indicator light
F3 (Histogram)
F2 (Exposure)
F1 (Peaking)
Menu button
Right Nav (Brightness Up)


AUDIO-IN
HDMI-IN
VIDEO-IN
VIDEO-OUT
Speaker
Dip-Switch Chart
Battery mounting plate
1/4"-20 Threaded socket
Power switch
Composite video output
HDMI input
Power Switch
Composite video input
Audio input
Dip switches
Antenna terminal

POWERING ON & OFF

There are two ways to power the SkyVision: AC or a Sony L-series battery.

AC POWER

To run the SkyVision via AC power, use the included 12 V DC adapter to connect the SkyVision's DC power input to your AC power source.

To turn on the SkyVision, press the power switch to the On position. The SkyVision will turn on and enter standby mode, and the power indicator LED will glow red. Press the Power button to enter ready mode. The power indicator LED will turn green and then glow red.

CAMERA BATTERY

The SkyVision's built-in battery plate accommodates Sony L-series batteries. This allows you to power the monitor with readily-available batteries that you may already own. For more information on compatible battery types, refer to Specifications on page 22.

To install a compatible battery, slide the battery forward until it locks into place.

To turn on the SkyVision, press the power switch to the On position. The SkyVision will turn on and enter standby mode, and the power indicator LED will glow red. Press the Power button to enter ready mode. The power indicator LED will turn green and then glow red.

USING THE WCM-758-G

MOUNTING THE SKYVISION

Use the SkyVision's 1/4"-20 threaded socket to attach the monitor to your mounting system. Make sure your bracket can support the monitor.

SETTING THE SIGNAL

Before setting the signal, screw the antenna into the antenna terminal.

Use the DIP switches on the SkyVision to set the proper channel. Make sure the SkyVision and your 5.8 GHz composite video transmitter are set to the same channel. Refer to the DIP Switch Chart on page 27 for further reference. For your convenience, there is an included DIP Switch Chart quick reference card.

Press the Mode button to cycle through the input modes until RF appears on the monitor. If your 5.8 GHz composite video transmitter is using the same frequency as the monitor, the image will appear onscreen, and the power indicator LED will glow green.

WIRED INPUT & LOOP-THORUGH

HDMI INPUT

The SkyVision is equipped with HDMI input for use as a wired high-definition video monitor. Use the included HDMI cable to connect your HDMI video source to the SkyVision's HDMI input, and then press the Mode button to cycle through the input modes until HDMI appears on the monitor. If your HDMI video source is sending a signal to the monitor, the image will appear onscreen, and the power indicator LED will glow green.

COMPOSITE VIDEO INPUT

The SkyVision also has a composite video input for use as a wired standard-definition video monitor. Use the included composite video input cable to connect your composite video source to the SkyVision's composite video and audio inputs, and then press the Mode button to cycle through the input modes until "video" appears on the monitor. If your composite video source is sending a signal to the monitor, the image will appear onscreen, and the power indicator LED will glow green.

Note: Your composite audio cable must be plugged into the SkyVision's composite audio input in order to monitor the sound.

Loop Through: The SkyVision offers composite video loop-through, also known as pass-through. To loop the video signal through the monitor, make sure the SkyVision is receiving a video signal from your composite video source, and then connect a compatible composite video output cable to the output connection on the monitor.

You can monitor sound via the integrated speaker or the 3.5 mm stereo headphone jack. To monitor via the headphone jack, plug in a pair of compatible headphones. For more information on volume control, refer to Volume under the Sound Menu section on page 20 and Right Button under the Using the Buttons section on page 21 .

MONITORING SOUND

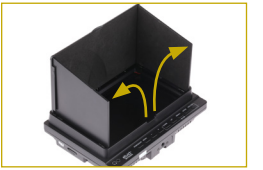
You can monitor sound via the integrated speaker or the 3.5 mm stereo headphone jack. To monitor via the headphone jack, plug in a pair of compatible headphones. For more information on volume control, refer to Volume under the Sound Menu section on page 20 and Right Button under the Using the Buttons section on page 21 .

THE SUNSHADE

The sunshade prevents glare on the monitor's screen by blocking out stray light, and is useful when shooting outdoors.

1. Insert the sunshade's pegs into the monitor's sunshade slots.
2. Slide the sunshade down until it locks into place.

To deploy the sunshade, fully open its lid and wings.



THE MENU

Before using the SkyVision, make sure the monitor's settings are properly configured. All of the setting configurations are located in the main menu, which has four submenus: Color, Onscreen Display (OSD), Function, and Sound. The submenus are located in the left column of the main menu window

Note: The menu is accessible only when the SkyVision is receiving a video signal.

NAVIGATING THE MENU

Menu Button: Press the Menu button to access the menu, return to the previous menu or screen without making a selection, or close out the menu.

Up and Down Buttons: When the menu is open, use the Up and Down buttons to navigate the menu or adjust the value of a vertical submenu item .

Left and Right Buttons: When the menu is open, use the Left and Right buttons to enter a submenu, adjust the value of a horizontal submenu item , or make a selection in a vertical submenu.

COLOR MENU

In the Color menu, you can adjust brightness, contrast, hue, and saturation of the monitor from 0 (least) to 100 (brightest).

Check Field: In Check Field mode, only the selected color will appear onscreen. You can select red, green, blue, or mono. In mono, a grayscale image will appear onscreen. Check Field mode is useful for calibrating the monitor.

Color Temp: When using the SkyVision as a wired HDMI monitor, You you can select from the presets 9300, 7500, and 6500 K. You can also configure your own custom setting, which is labeled User in the Color Temp menu. Customizing the color temperature is recommended only for advanced users.

OSD MENU

Language: You can set the onscreen language to English (default), Simplified Chinese, French, Italian, German, Spanish, Japanese, Korean, Russian, and Portuguese.

H Position: Adjust the horizontal position of the onscreen menu.

V Position: Adjust the vertical position of the onscreen menu.

OSD Timeout: Use this setting to set the length of time the onscreen menu is displayed. You can choose from 5 to 60 seconds, in 5-second intervals, or you can disable the feature so the menu remains onscreen until you manually close it out. The default setting is 10 seconds.

Transparent: Set the menu's level of opacity. You can adjust this setting from 1 to 7, with 7 being the most transparent. The default setting is off, which makes the menu opaque.

FUNCTION MENU

Reset: Restore the SkyVision's menu to the factory default settings.

System: Select the transmission display format. You can choose NTSC M (default), PAL M, NTSC BG, PAL N, NTSC DK, PAL DK, PAL I, or SECAM BG.

Display Ratio: You can set the aspect ratio for the onscreen image. The options are 16:9 and 4:3. The default setting is 16:9, which is the SkyVision's native aspect ratio. The 4:3 setting will scale the image to fit that aspect ratio.

Screen Markers: You can set the SkyVision to display an onscreen box as a safety frame marker at a set percentage of the screen size. You can set this to 80%, 85%, 90%, 93%, 96%, or off. The screen marker will not display at the same time as the menu.

Centre Markers: This setting displays a marker in the center of the screen. The center marker will not display at the same time as the menu.

Camera: Camera mode scales the incoming video signal to fill the screen. This is useful when shooting on a DSLR. You can turn this mode on or off.

SOUND MENU

Volume: Adjust the monitoring volume of the SkyVision from 0 to 100.

Focus: Use this setting to check the areas of the image that are in focus. Activating this setting increases the sharpness and contrast of the monitor and exaggerates in-focus areas.

USING THE BUTTONS

For greater efficiency while using the SkyVision, you can use the buttons on the front of the monitor as shortcuts to various functions instead of cycling through the onscreen menus.

Camera Button: Press this button to enable or disable Camera mode.

Scale Button: The Scale button displays and adjusts the size of the onscreen safety frame markers. Press the button repeatedly to cycle through the options (80%, 85%, 90%, 93%, 96%, and off).

Left Button: When the menu is closed out, press the Left button to display the center marker.

Right Button: When the menu is closed out, press the Right button to display the onscreen volume bar. When the volume bar is onscreen, use the Left and Right buttons to adjust the monitoring volume from 0 to 100. To exit the volume bar, press the Menu button.

Down Button: When the menu is closed out, press the Down button to enter Focus mode.

Up Button: When the menu is closed out, press the Up button repeatedly to cycle through the Check Field modes (red, green, blue, and mono).

SPECIFICATIONS

MONITOR	
Panel Size	7"
Panel Type	TFT
Backlight	LED
Resolution	1024 × 600
Brightness	250 cd/m²
Contrast ratio	700:1
Viewing angle	L/R: 75°/75° U/D: 70°/75°
Dot pitch (W × H)	0.05 × 0.15
Display ratio	16:9
Input	RF, HDMI, composite video, mono audio
Output	Composite video, headphone (3.5 mm stereo), mono speaker

MONITOR	(CONTINUED)
Supported formats (50/60 Hz)	480i, 480p, 576i, 576p, 720p, 1080i, 1080p
Threaded socket	1/4″-20
Input voltage	6 to 24 V DC
Power consumption	≤8 W
Battery type	Sony L-series
RF receiving frequency	5.8 GHz broadband FM A/V synchronization, 32 channels
RF wireless receiving sensitivity	-90 dBm typical value
Frequency stability	±100 ppm
Dimensions (L × W × H)	7.4″ × 5.3″ × 2.0″ (18.9 × 13.4 × 5 cm)
Weight	1 lb. (0.5 kg)

PROBLEM	SOLUTION
The SkyVision will not turn on.	• If you are powering the SkyVision with a battery, make sure the battery is fully charged and properly seated in the battery plate. • Make sure that the 12 V DC adapter is fully plugged in, and that your AC power source is reliable. Try switching AC power sources. • Make sure the SkyVision is not in standby mode. See Powering the SkyVision on page XX for further reference.
The SkyVision is in RF mode, but no wireless signal is detected.	• Make sure your transmitter is working properly. • Make sure the SkyVision and your 5.8 GHz composite video transmitter are set to the same channel. See the DIP Switch Chart on page 27 for further reference. • If you replace the included antenna, you may experience a degraded signal or even no signal at all. Make sure the antenna matches the transmitter.

PROBLEM	SOLUTION
The SkyVision is turned on but there is no onscreen image or the image is weak.	• If you are using the SkyVision as a wired monitor, make sure the HDMI or composite video cable is securely plugged into the proper input connection on the SkyVision, and that the input mode is set correctly. Try pressing the Mode button to set the input mode. • Make sure the monitor is set to the proper input mode. • If you are powering the SkyVision with a battery, make sure the battery is fully charged and properly seated in the battery plate. • If you are powering the SkyVision via AC power, use only the supplied 12 V DC adapter. • If you are using the SkyVision as a wired monitor, check your cables to make sure they are reliable.
The screen displays only a black and white image.	• Check the brightness, contrast, hue, and saturation settings, and adjust as necessary. • Make sure Check Field mode is turned off.

PROBLEM	SOLUTION
The images are not synchronized.	• NTSC and PAL settings may not be correctly set. Make sure the monitor's display format matches that of the input. Refer to System under the Function Menu section on page 19 for further reference. • The RF signal is too weak.
The onscreen image size is incorrect.	• Make sure that Camera mode is disabled. • Check whether the aspect ratio is set correctly. • Make sure that the correct input signal is selected. • If you are using the SkyVision as a wired monitor, check your cables to make sure they are properly connected and that they are reliable.
The SkyVision is emitting a high-pitched whine (feedback).	• Turn the monitor's volume all the way down or plug headphones into the headphone jack.
There is no sound.	• Increase the monitoring volume. • If you are using the SkyVision as a wired standard-definition video monitor, make sure your composite audio cable is fully plugged into the composite audio input.

DIP-SWITCH CHART

5860

5880

5865

5845

5825

5805

5785

5765

5745

5725

5733

5752

5771

5790

5809

5828

5847

5866

5705

5685

5665

5645

5885

5905

5925

5945

5740

5760

5780

5800

5820

5840

ONE-YEAR LIMITED WARRANTY

This Elvid product is warranted to the original purchaser to be free from defects in materials and workmanship under normal consumer use for a period of one (1) year from the original purchase date or thirty (30) days after replacement, whichever occurs later. The warranty provider's responsibility with respect to this limited warranty shall be limited solely to repair or replacement, at the provider's discretion, of any product that fails during normal use of this product in its intended manner and in its intended environment. Inoperability of the product or part(s) shall be determined by the warranty provider. If the product has been discontinued, the warranty provider reserves the right to replace it with a model of equivalent quality and function.

This warranty does not cover damage or defect caused by misuse, neglect, accident, alteration, abuse, improper installation or maintenance. EXCEPT AS PROVIDED HEREIN, THE WARRANTY PROVIDER MAKES NEITHER ANY EXPRESS WARRANTIES NOR ANY IMPLIED WARRANTIES, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. This warranty provides you with specific legal rights, and you may also have additional rights that vary from state to state.

To obtain warranty coverage, contact the Elvid Customer Service Department to obtain a return merchandise authorization ("RMA") number, and return the defective product to Elvid along with the RMA number and proof of purchase. Shipment of the defective product is at the purchaser's own risk and expense.

For more information or to arrange service, visit www.elvidcinema.com or call Customer Service at 212-594-2353.

Product warranty is provided by the Gradus Group. www.gradusgroup.com
Elvid is a registered trademark of the Gradus Group.
© 2014 Gradus Group LLC.All Rights Reserved.

ELVID™ A Gradus Group Brand

www.elvidcinema.com